

KENWOOD

ATLAS **VIKING** KAIROS

MS Two-Way Radio Express Products List (EPL) 3744



Effective Date: October 20, 2019

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EFJ-JVCKENWOOD Repeaters

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NXR-710/810

UHF/VHF Low Power Base Stations and Repeaters

BASE STATION		EPL	LIST
NXB7100PS	Low Power Base Station, 136-174MHz (NXR-710K, KSGPS20200)	1803.75	2,405.00
NXB8101PS	Low Power Base Station, 450-520MHz (NXR-810K, KSGPS20200)	1803.75	2,405.00
NXB8102PS	Low Power Base Station, 400-470MHz (NXR-810K2, KSGPS20200)	1803.75	2,405.00
REPEATER STA	TION	EPL	LIST
NXR7100PS	Low Power Repeater Station, 136-174MHz (NXR-710K, KSGPS20200)	1803.75	2,405.00
NXR8101PS	Low Power Repeater Station, 450-520MHz (NXR-810K, KSGPS20200)	1803.75	2,405.00
NXR8102PS	Low Power Repeater Station, 400-470MHz (NXR-810K2, KSGPS20200)	1803.75	2,405.00
REPEATER STA	TION WITH DUPLEXER	EPL	LIST
5MHz split between TX a	available for all frequencies. The default range of duplexers are between 148-160 MHz (VHF) with a nd RX, and between 450-460MHz (UHF). Other frequencies or VHF band splits may be available by able and non-refundable). Pricing for special order duplexers may be higher.		
NXR7100PSD	Low Power Repeater Station with Duplexer, 148-160MHz (NXR-710K, KSGPS20200, KSGDX62001, KSGCB20008, KSGCB20010)	2325.00	3,100.00
NXR8101PSD	Low Power Repeater Station with Duplexer, 450-460MHz (NXR-810K, KSGPS20200, KSGDX63002, KSGCB20008, KSGCB20010)	2325.00	3,100.00
NXR8102PSD	Low Power Repeater Station with Duplexer, 450-460MHz (NXR-810K2, KSGPS20200, KSGDX63002, KSGCB20008, KSGCB20010)	2325.00	3,100.00
REPEATER STA	TION WITH CONVENTIONAL IP NETWORK FUNCTIONALITY	EPL	LIST
NXR7100PSI	Low Power Repeater Station, 136-174MHz (NXR-710K, KSGPS20200, KTI-3M)	2002.50	2,670.00
NXR8101PSI	Low Power Repeater Station, 450-520MHz (NXR-810K, KSGPS20200, KTI-3M)	2002.50	2,670.00
NXR8102PSI	Low Power Repeater Station, 400-470MHz (NXR-810K2, KSGPS20200, KTI-3M)	2002.50	2,670.00
REPEATER STA	TION WITH DUPLEXER AND IP NETWORK FUNCTIONALITY	EPL	LIST
5MHz split between TX a available by special order	available for all frequencies. The default range of duplexers are between 148-160 MHz (VHF) with a nd RX, and, and between 450-460MHz (UHF). Other frequencies or VHF band splits may be r (non-returnable and non-refundable). Pricing for special order duplexers may be higher. Duplexer linside the Repeater; a separate Rack-Mount Power Supply is provided		
NXR7100PSDI	Low Power Repeater Station with Duplexer, 148-160MHz (NXR-710K, KSGPS20201, KSGDX62001, KTI-3M, KSGCB20008, KSGCB20010)	2655.00	3,540.00

NXR8101PSDI	Low Power Repeater Station with Duplexer, 450-460MHz (NXR-810K, KSGPS20201, KSGDX63002, KTI-3M, KSGCB20008, KSGCB20010)	2655.00	3,540.00
NXR8102PSDI	Low Power Repeater Station with Duplexer, 450-460MHz (NXR-810K2, KSGPS20201, KSGDX63002, KTI-3M, KSGCB20008, KSGCB20010)	2655.00	3,540.00

BASIC ACCES	SORIES	EPL	LIST
KPG-46UM	Programming Cable	118.88	158.50

KPG-129DNK	Programming Software (NXR-710/810)	77.44	103.25
B51-8901-00	NXR-710 Service Manual	37.50	50.00
B51-8902-00	NXR-810 Service Manual	37.50	50.00
KMC-9C	Desktop Microphone	64.50	86.00
KSGMT30001	2RU Desktop Enclosure - 16" deep by 20.5" wide by 5" high	150.00	200.00
KSGMT30004	4RU Desktop Enclosure - 16" deep by 20.5" wide by 8.5" high	161.25	215.00
COMPONENTS		EPL	LIST
NXR-710K	Repeater, Digital, VHF, 136-174MHz, 25-50W	1612.50	2,150.00
NXR-810K	Repeater, Digital, UHF, 450-520MHz, 1-40W	1612.50	2,150.00
NXR-810K2	Repeater, Digital, UHF, 400-470MHz, 1-40W	1612.50	2,150.00
KSGPS20200	DC Switching Power Supply	191.25	255.00
KSGDX62001	Duplexer, VHF, 148-160MHz, 6 cavities, 4.5MHz sep, N-F Note: This is the default frequency range. Other ranges may be available by special order.	446.25	595.00
COMPONENTS,	CON'T	EPL	LIST
KSGDX63002	Duplexer, UHF, 450-460MHz, 6 cavities, 5MHz sep, N-F Note: This is the default frequency range. Other ranges may be available by special order.	446.25	595.00
KSGCB20008	Cable, 10" 90 deg N-M to 90 deg BNC-M, RG-142 coaxial	37.50	50.00
KSGCB20010	Cable, 10", 90 deg N-M to 90 deg N-M, RG-142 coaxial	37.50	50.00
KTI-3M	Network Interface Unit	198.75	265.00
KSGPS20201	Power Supply, 20A, no meter, RM-2512 w/BB6 & 8 place fuse	322.50	430.00

NXR-5700 VHF Digital & FM Base Repeaters - 136-174MHz



GENERAL:

- Conventional / Conventional IP Network
- NEXEDGE Gen1 System
- NEXEDGE Gen2 System
- Occupies 1 RU
- Wideband Coverage
- 25/5/0.5 W RF Output Power
- Operates in analog mode at 25 KHz or 12.5 KHz, or in digital mode at 12.5 KHz or 6.25 KHz.
- Built-in 0.5 ppm TCXO
- LED Status Indicators
- USB 2.0 Type-B Interface
- Programming information is required to properly configure each system. Please contact your Kenwood Systems Regional Manager for assistance.

GENERAL OPTIONS:

- External amplifier with built-in T/R antenna switching for simplex operation
 - Wire line remote control
- Power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications.
- High performance 6 cavity BpBr duplexer is available
- Multi-channel combining systems quoted on an individual system basis
- Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks.
- Amplifier choices include 50W, 110W, 150W or 250W options.
- Custom configurations are available; contact your Kenwood Systems Regional Sales Manager for details.

TRUNKING OPTIONS

- Enabling of Trunking feature
- Secondary, restricted-level service keys for management of less critical system parameters available. Each trunking system requires an Ethernet switch per site. Routers are optional for a single-site system but required for multi-site systems.
- System switches and routers are recommended, but most commercially available network equipment is compatible.

NXR-5700 REPE	ATER		EPL	LIST
NXR-5700K	Repeater, Digital, VH	HF, 136-174MHz, 25W, 0.5ppm TCXO built-in 3999.75 5		5333.00
LICENSING SYS	ICENSING SYSTEM		EPL	LIST
Clanar Maganet Ster. Drin. The Alternative Gradian Step Mit Composition Step Mit Linear Step Composition Composition Linear Step Composition Compositi	KINOOO	KPT-300LMC License Management Client		
Mari Vitan Davine O Drag License Key Files (*, jikefs) and Drop to This Area	anty Lond Alf-Mediate	KPT-300LMC is a <u>required</u> software package that is used to a KPT-300LMC is available as a free download from Kenwood ⁻ with applicable software.		
		NOTE : A license key is required for the KPT-300LMC to auther prior to use. To receive a license key, complete the " <u>Account</u> and return to the Kenwood Systems Order Desk.		
Note: KPT-300LMC is cc Windows Vista/7/8/8.1 not supported.	-	License Keys will be E-Mailed to the address provided on the A hard copy will follow by mail for your records.	Account Request Fo	orm.
KPT-300LMC	License Management	Client	NC	NC

SOFTWAR	Note: specify the number of PC's used for Radio Feature License Activation.	EPL	
SOFIWARE	SOFTWARE LICENSE OPTIONS		LIST

500.00

375.00

TO PLACE AN ORDER FOR SOFTWARE:

- 1. Complete the attached Software License Key Request Form.
- 2. Submit along with your PO to the SYSTEMS Order Desk via:
- a) E-Mail: systemsorderdesk@us.jvckenwood.com
- b) Fax: (678) 957-1880
- 3. License Keys will be E-mailed to the address provided on the order form. A hard copy will follow by mail for your records.

1 License Key 2 ~ 4 License Keys 5 ~ 14 License Keys	
5 ~ 14 License Keys	10% OFF
	35% OFF
15 ~ 24 License Keys	40% OFF

SOFTWARE L	ICENSE OPTIONS	EPL	LIST
KPG-D2NK	License Key for KPG-D2NK Programming Software for NXR-5000 Repeater (Windows® Vista/7/8/8.1) <u>Note:</u> - Requires KPT-300LMC for authentication. - To program NXR-5000, Type A/B USB Cable (KSGCB10206) may be required.	77.44	103.25

RADIO FEATURE LICENSE OPTIONS

PCs registered under the same KPT-300LMC Account Registration Key (License Key) will be able to authentic Radio Features that can then be viewed / shared / managed by all registered users for the account.

* TO PLACE AN ORDER FOR RADIO FEATURE LICENSES:

- 1. Complete the attached Radio Feature Request Form.
- 2. Submit along with your PO to the SYSTEMS Order Desk via:
 a) E-Mail: systemsorderdesk@us.jvckenwood.com
 b) Fax: (678) 957-1880
- 3. License Keys will be E-mailed to the address provided on the request form. A hard copy will follow by mail for your records.

Note: Radio Feature License Keys can be transferable from a radio to radio <u>within 72 hours</u> count started from being authenticated to a Radio. Once license transferred radio is authenticated by KPT-300LMC, 72 hours is reset and count started from first.

KWD-NX50VTR License Key for NXR-5000 Vote System

BASIC ACCESS	SORIES	EPL	LIST
BASIC ACCES	SORIES		LIST
KXK-3M3	6.25KHz "Very Narrow Band" Option High Stability Reference Oscillator	2499.75	3333.00
KPG-149RM	Nexedge Repeater Monitoring Software	187.50	250.00
KSGCB10206	Programming USB A/B Cable	12.75	17.00
B5B-7216-10	NXR-5700 Service Manual	37.50	50.00
RF BASE STAT	ION AMPLIFIER OPTIONS	EPL	LIST
Note: Includes Two Cat	les for Radio Connectivity		
KSGPA22423	136-174MHz, 3W Input, 25-50W Output	1492.50	1990.00
KSGPA22400	136-144MHz, 3W Input, 55-110W Output	1878.75	2505.00
KSGPA22410	144-152MHz, 3W Input, 55-110W Output	1878.75	2505.00
KSGPA22420	152-162MHz, 3W Input, 55-110W Output	1878.75	2505.00
KSGPA22430	162-174MHz, 3W Input, 55-110W Output	1878.75	2505.00
KSGPA22451	136-144MHz, 3W Input, 150W Output	2790.00	3720.00
KSGPA22452	144-152MHz, 3W Input, 150W Output	2790.00	3720.00
KSGPA22453	152-162MHz, 3W Input, 150W Output	2790.00	3720.00
KSGPA22454	162-174MHz, 3W Input, 150W Output	2790.00	3720.00
KSGPA22258	152-162MHz, 3W Input, 250W Output	3450.00	4600.00

KSGMRCK7

KSGMCAB4

KSGMT20020

KSGMT0C20U

KSGMT20001

KSGMT20002

KSGMT20003

900.00

2006.25

1500.00

258.75

67.50

326.25

105.00

1200.00

2675.00

2000.00

345.00

90.00

435.00 140.00

KSGPA22523 KSGPA22510 KSGPA22520 KSGPA22530	136-174MHz, 25W Input, 25-50W Output 144-152MHz, 25W Input, 55-110W Output 152-162MHz, 25W Input, 55-110W Output	1492.50 1878.75	1990.00 2505.00
KSGPA22520 KSGPA22530			2505.00
KSGPA22530	152-162MHz 25W logut 55-110W Output		
		1878.75	2505.00
	162-174MHz, 25W Input, 55-110W Output	1878.75	2505.00
KSGPA22552	144-152MHz, 25W Input, 150W Output	2790.00	3720.00
KSGPA22553	152-162MHz, 25W Input, 150W Output	2790.00	3720.00
KSGPA22554	162-174MHz, 25W Input, 150W Output	2790.00	3720.00
RF REPEATER S	STATION AMPLIFIER OPTIONS	EPL	LIST
Note: Includes One Cable	∋ for Radio Connectivity		
KSGPA22403	136-174MHz, 3W Input, 25-50W Output	1248.75	1665.00
KSGPA22411	136-144MHz, 3W Input, 55-110W Output	1620.00	2160.00
KSGPA22412	144-152MHz, 3W Input, 55-110W Output	1620.00	2160.00
KSGPA22413	152-162MHz, 3W Input, 55-110W Output	1620.00	2160.00
KSGPA22414	162-174MHz, 3W Input, 55-110W Output	1620.00	2160.00
KSGPA22441	136-144MHz, 3W Input, 150W Output	2295.00	3060.00
RF REPEATER S	STATION AMPLIFIER OPTIONS, CON'T	EPL	LIST
Note: Includes One Cable	e for Radio Connectivity.		
KSGPA22442	144-152MHz, 3W Input, 150W Output	2295.00	3060.00
KSGPA22443	152-162MHz, 3W Input, 150W Output	2295.00	3060.00
KSGPA22444	162-174MHz, 3W Input, 150W Output	2295.00	3060.00
KSGPA22253	152-162MHz, 3W Input, 250W Output	3045.00	4060.00
KSGPA22503	136-174MHz, 25W Input, 25-50W Output	1248.75	1665.00
KSGPA22512	144-152MHz, 25W Input, 55-110W Output	1620.00	2160.00
KSGPA22513		1620.00	2160.00
KSGPA22514	162-174MHz, 25W Input, 55-110W Output	1620.00	2160.00
KSGPA22542	144-152MHz, 25W Input, 150W Output	2295.00	3060.00
KSGPA22543	152-162MHz, 25W Input, 150W Output	2295.00	3060.00
KSGPA22544	162-174MHz, 25W Input, 150W Output	2295.00	3060.00
POWER SUPPLY	YOPTIONS	EPL	LIST
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	356.25	475.00
	<u>Note</u> : Incompatible with 150W or 250W amplifier option. 35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger		
KSGPS20352	Note: Incompatible with 150W or 250W amplifier option.	1016.25	1355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1016.25	1355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1305.00	1740.00
		EDL	
MOUNTING CON	FIGURATIONS	EPL	LIST

7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)

77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)

Note: Optional for situations where extra protection during transportation is required.

Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)

42" (20RU) Locking Cabinet

Cabinet Solid Top Panel

Cabinet Fan Top Assembly

Crate for 42" (20RU) Locking Cabinet

KSGC459L

1777.50

2370.00

WIRELINE REM	NOTE CONTROL OPTIONS	EPL	LIST
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	491.25	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	502.50	670.00
KSGTM20016	16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	711.56	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) <u>Note:</u> 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	307.50	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) <u>Note:</u> 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	270.00	360.00
Gen1 TRUNKIN	IG CONFIGURATIONS	EPL	LIST
KSGPG91800	Repeater Trunking Feature Note: One Feature required for each trunking repeater.	1125.00	1500.00
KSGPG91810	Multi-Site Networking Feature Note: One required for each networked site.	8750.25	11667.00
Gen1 TRUNKIN	IG CONFIGURATIONS, CON'T	EPL	LIST
KSGPGKEYSM	System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) <u>Note:</u> Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.)	437.25	583.00
KPG-110SMK	System Manager Trunking Software <u>Note</u> : Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key	344.25	459.00
KSGPGKEY01	Grade-1 Unlimited Access Secure USB Programming Key	125.25	167.00
KSGPGKEY02	Grade-2 Limited Access Secure USB Programming Key	125.25	167.00
USB KEY FUNCTIC	ON OR CAPABILITY	GRADE-1 (BLUE)	GRADE-2 (YELLOW)
PROGRAM GENER	AL SYSTEM PARAMETERS	v , v	V
ADD / DELETE / ED	DIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.	v	v
ASSIGN OR EDIT F	REPEATER NETWORK IP ADDRESSES	v	
ADD NEW REPEAT	ER CHANNEL(S)	v	
SWAP OUT SPARE	REPEATERS	v	
CONSTRUCT OR A	DD NEW SITES	٧	
Gen2 TRUNKIN	IG CONFIGURATIONS	EPL	LIST
Please see the I	NEXEDGE Gen2 Page.		
ETHERNET SW	/ITCH & ROUTER OPTIONS	EPL	LIST
	quired for each site; VPN router(s) may be required for multi-site systems depending on desired seded, VPN router(s) are required in addition to and in conjunction with network switch equipment. s are also available.		
KSGNS10008	8-Port Managed Network Switch Note: 1RU Mounting Tray (KSGUT10001) sold separately.	187.50	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	281.25	375.00
KSGRT10004	4-Port Managed VPN Router Note: 1RU Mounting Tray (KSGUT10001) sold separately.	281.25	375.00
EXTERNAL TR	UNKING CONTROLLER OPTIONS	EPL	LIST
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1158.75	1545.00
KCCCAFOL	LTD Dispetch & Interconnect Truction Constraller (005 0400 I/CCCD20004)	1777 50	2270.00

LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)

MISC STATION	OPTIONS	EPL	LIST
KSGDX12556	6 Cavity VHF BpBr Duplexer <u>Note</u> : Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable.	2321.25	3095.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) <u>Note</u> : Modem 2400 bps to be used with LTR controllers, includes interface cable.	191.25	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) Note: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	911.25	1215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator <u>Note:</u> 19" rack mount; occupies 3RU. Order Station Module Cards below.	6000.00	8000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1147.50	1530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) <u>Note:</u> For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	663.75	885.00
COMPONENTS		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00

COMPONENTS,	CON'T	EPL	LIST
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1616.25	2155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGCB20112	Coaxial BNC 12" Canble	21.00	28.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1136.25	1515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1755.00	2340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1175.00
KSGUT10001	1RU Mounting Tray <u>Note</u> : Provides mounting space for up to two accessories.	37.50	50.00

NXR-5800

UHF Digital & FM Base Repeaters - 400-520MHz



GENERAL:

- Conventional / Conventional IP Network
- NEXEDGE Gen1 Network
- NEXEDGE Gen2 Network
- Occupies 1 RU
- Wideband Coverage
- 25/5/0.5 W RF Output Power
- Operates in analog mode at 25 KHz or 12.5 KHz, or in digital mode at 12.5 KHz or 6.25 KHz.
- Built-in 0.5 ppm TCXO
- LED Status Indicators
- USB 2.0 Type-B Interface
- Programming information is required to properly configure each system. Please contact your Kenwood Systems Regional Manager for assistance.

GENERAL OPTIONS:

- External amplifier with built-in T/R antenna switching for simplex operation
- Wire line remote control
- Power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications.
- High performance 6 cavity BpBr duplexer is available
 - Multi-channel combining systems quoted on an individual system basis
- Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks.
- Amplifier choices include 50W, 110W, 150W or 250W options.
- Custom configurations are available; contact your Kenwood Systems Regional Sales Manager for details.

TRUNKING OPTIONS

- Enabling of Trunking feature
- Secondary, restricted-level service keys for management of less critical system parameters available. Each trunking system requires an Ethernet switch per site. Routers are optional for a single-site system but required for multi-site systems.
- System switches and routers are recommended, but most commercially available network equipment is compatible.

NXR-5800 REPE	EATER	EPL	LIST
NXR-5800K	Repeater, Digital, UHF, 450-520MHz, 25W, 0.5ppm TCXO built-in	3999.75	5333.00
NXR-5800K3	Repeater, Digital, UHF, 400-470MHz, 25W, 0.5ppm TCXO built-in	3999.75	5333.00



Note: KPT-300LMC is compatible with Windows Vista/7/8/8.1 Only. Windows XP is not supported. KPT-300LMC License Management Client

KPT-300LMC is a required software package that is used to authenticate software

KPT-300LMC is available as a free download from Kenwood Tools and is also supplied with applicable software.

NOTE: A license key is required for the KPT-300LMC to authenticate the software prior to use. To receive a license key, complete the "Account Request Form" and return to the Kenwood Systems Order Desk.

License Keys will be E-Mailed to the address provided on the Account Request Form. A hard copy will follow by mail for your records.

SOFTWARE LICEN	SE OPTIONS	FPI	LIST
L-5000	Account Registration Key <u>Note:</u> specify the number of PC's used for Radio Feature License Activation.	NC	NC
KPT-300LMC	License Management Client	NC	NC

500.00

375.00

TO PLACE AN ORDER FOR SOFTWARE:

- 1. Complete the attached Software License Key Request Form.
- 2. Submit along with your PO to the SYSTEMS Order Desk via:
- a) E-Mail: systemsorderdesk@us.jvckenwood.com
- b) Fax: (678) 957-1880
- 3. License Keys will be E-mailed to the address provided on the order form. A hard copy will follow by mail for your records.

Software License Key Discount Structure	
1 Licen	se Key
2 ~ 4 Licens	e Keys 10% OFF
5 ~ 14 Licens	e Keys 35% OFF
15 ~ 24 Licens	e Keys 40% OFF

SOFTWARE LICE	INSE OPTIONS	EPL	LIST
KPG-D2NK	License Key for KPG-D2NK Programming Software for NXR-5000 Repeater (Windows® Vista/7/8/8.1) <u>Note:</u> - Requires KPT-300LMC for authentication. - To program NXR-5000, Type A/B USB Cable (KSGCB10206) may be required.	77.44	103.25

RADIO FEATURE LICENSE OPTIONS

PCs registered under the same KPT-300LMC Account Registration Key (License Key) will be able to authentic Radio Features that can then be viewed / shared / managed by all registered users for the account.

* TO PLACE AN ORDER FOR RADIO FEATURE LICENSES:

- 1. Complete the attached Radio Feature Request Form.
- 2. Submit along with your PO to the SYSTEMS Order Desk via:
 a) E-Mail: systemsorderdesk@us.jvckenwood.com
 b) Fax: (678) 957-1880
- 3. License Keys will be E-mailed to the address provided on the request form. A hard copy will follow by mail for your records.

Note: Radio Feature License Keys can be transferable from a radio to radio <u>within 72 hours</u> count started from being authenticated to a Radio. Once license transferred radio is authenticated by KPT-300LMC, 72 hours is reset and count started from first.

KWD-NX50VTR License Key for NXR-5000 Vote System

BASIC ACCES	SORIES	EPL	LIST
КХК-ЗМЗ	6.25KHz "Very Narrow Band" Option High Stability Reference Oscillator	2499.75	3333.00
KPG-149RM	Nexedge Repeater Monitoring Software	187.50	250.00
KSGCB10206	Programming USB A/B Cable	12.75	17.00
B5B-7217-10	NXR-5800 Service Manual	37.50	50.00
RF BASE STAT	TION AMPLIFIER OPTIONS	EPL	LIST
Note: Includes Two Cal	ples for Radio Connectivity.		
KSGPA23421	406-450MHz, 3W Input, 20-40W Output	1492.50	1990.00
KSGPA23423	450-512MHz, 3W Input, 20-40W Output	1492.50	1990.00
KSGPA23400	406-450MHz, 3W Input, 50-100W Output	1950.00	2600.00
KSGPA23420	450-512MHz, 3W Input, 50-100W Output	1950.00	2600.00
KSGPA23451	406-450MHz, 3W Input, 150W Output	3420.00	4560.00
KSGPA23453	450-512MHz, 3W Input, 150W Output	3420.00	4560.00
KSGPA23521	406-450MHz, 25W Input, 20-40W Output	1462.50	1950.00
KSGPA23523	450-512MHz, 25W Input, 20-40W Output	1462.50	1950.00
KSGPA23500	406-450MHz, 25W Input, 50-100W Output	1950.00	2600.00
KSGPA23520	450-512MHz, 25W Input, 50-100W Output	1950.00	2600.00

KSGPA23553 49:0512MHz, 28W Input, 150W Output 3420.00 4560.00 RF REPEATER STATION AMPLIFIER OFTIONS EPL LIST Note: Incluses Dee Cabe for Radio Connectivity: KSGPA23401 468:456MHz, 3W Input, 28:40W Output 1248:75 1665.00 KSGPA23401 468:456MHz, 3W Input, 28:40W Output 1623:75 2165.00 KSGPA23411 468:456MHz, 3W Input, 50:00 Output 1623:75 2165.00 KSGPA23414 469:450MHz, 3W Input, 150W Output 2955.00 3940.00 KSGPA23511 469:450MHz, 28W Input, 150W Output 1248:75 1665.00 KSGPA23511 469:450MHz, 28W Input, 20:40W Output 1248:75 1665.00 KSGPA23511 469:450MHz, 28W Input, 50:100W Output 1623:75 2165.00 KSGPA23514 469:450MHz, 28W Input, 50:100W Output 1623:75 2165.00 KSGPA23514 469:450MHz, 28W Input, 150W Output 2955.00 3940.00 KSGPA23514 469:450MHz, 28W Input, 150W Output 2955.00 3940.00 KSGPS20101 70:13:8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGPS20702 <th>KSGPA23551</th> <th>406-450MHz, 25W Input, 150W Output</th> <th>3420.00</th> <th>4560.00</th>	KSGPA23551	406-450MHz, 25W Input, 150W Output	3420.00	4560.00
Note: Includes One Cable for Radio Connectivity. KSGPA23401 450-450MHz, 3W Input, 20-40W Output 1248.75 1665.00 KSGPA23403 450-512MHz, 3W Input, 20-40W Output 1623.75 2165.00 KSGPA23411 406-450MHz, 3W Input, 50-100W Output 1623.75 2165.00 KSGPA23413 406-450MHz, 3W Input, 50-100W Output 2955.00 3940.00 KSGPA23414 406-450MHz, 3W Input, 150W Output 2955.00 3940.00 KSGPA23401 406-450MHz, 25W Input, 150W Output 1248.75 1665.00 KSGPA23501 406-450MHz, 25W Input, 50-100W Output 1623.75 2165.00 KSGPA23511 406-450MHz, 25W Input, 50-100W Output 2955.00 3940.00 KSGPA23514 406-450MHz, 25W Input, 50-100W Output 2955.00 3940.00 KSGPA23541 406-450MHz, 25W Input, 150W Output 2955.00 3940.00 KSGPA23414 206 Hzback-Mounted Power Supply 2955.00 3940.00 KSGPA2344 406-450MHz, 25W Input, 450W Ungut 2955.00 3940.00 KSGPA2340 406.450MHz, 25W Input, 450W Ungut 2955.00 3940.00 <td>KSGPA23553</td> <td>450-512MHz, 25W Input, 150W Output</td> <td>3420.00</td> <td>4560.00</td>	KSGPA23553	450-512MHz, 25W Input, 150W Output	3420.00	4560.00
KSGPA23401 406-450M4/z, 3W Input, 20-40W Output 1248.75 1665.00 KSGPA23403 406-450M4/z, 3W Input, 50-100W Output 1623.75 2165.00 KSGPA23411 406-450M4/z, 3W Input, 50-100W Output 1623.75 2165.00 KSGPA23411 406-450M4/z, 3W Input, 50-100W Output 2955.00 3940.00 KSGPA23414 406-450M4/z, 3W Input, 50-100W Output 2955.00 3940.00 KSGPA23401 406-450M4/z, 3W Input, 50-40W Output 1248.75 1665.00 KSGPA23501 406-450M4/z, 26W Input, 50-40W Output 1248.75 1665.00 KSGPA23511 406-450M4/z, 26W Input, 50-40W Output 1623.75 2165.00 KSGPA23513 450-512M4/z, 26W Input, 50-100W Output 2955.00 3940.00 KSGPA23514 450-512M4/z, 26W Input, 50-100W Output 2955.00 3940.00 KSGPA23543 450-512M4/z, 26W Input, 50-100W Output 2955.00 3940.00 KSGPA23543 450-512M4/z, 26W Input, 50-100W Output 2955.00 3940.00 KSGPA23543 450-512M4/z, 26W Input, 50-100W Output 2955.00 3940.00 KSGPA2354 450-512M4/z, 26W	RF REPEATER	STATION AMPLIFIER OPTIONS	EPL	LIST
KSGPA23403 460-512MHz, 3W Input, 50-100W Output 1248.75 1665.00 KSGPA23411 460-450MHz, 3W Input, 50-100W Output 1623.75 2165.00 KSGPA23413 460-512MHz, 3W Input, 50-00W Output 2955.00 3940.00 KSGPA23443 460-512MHz, 3W Input, 50-00W Output 2955.00 3940.00 KSGPA23501 460-512MHz, 25W Input, 50-40W Output 1248.75 1665.00 KSGPA23513 460-512MHz, 25W Input, 20-40W Output 1248.75 1665.00 KSGPA23513 460-512MHz, 25W Input, 50-100W Output 1623.75 2165.00 KSGPA23514 460-512MHz, 25W Input, 50-100W Output 1623.75 2165.00 KSGPA23541 460-512MHz, 25W Input, 150W Output 2955.00 3940.00 KSGPA23541 460-512MHz, 25W Input, 150W Output 2955.00 3940.00 KSGPA23541 460-512MHz, 25W Input, 150W Output 2955.00 3940.00 KSGPA2362 460.512MHz, 25W Input, 150W Output 2955.00 3940.00 KSGPA2070 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply 1016.25 1355.00 KSGPA2070 70A, 13.8VDC, 19' Wide Rack-Mou	Note: Includes One Cab	le for Radio Connectivity.		
KSGPA23411 406-450MHz. 3W Input, 50-100W Output 1623.75 2165.00 KSGPA23413 450-512MHz, 3W Input, 50-100W Output 2955.00 3940.00 KSGPA2343 450-512MHz, 3W Input, 150W Output 2955.00 3940.00 KSGPA23501 406-450MHz, 25W Input, 20-40W Output 1248.75 1665.00 KSGPA23501 406-450MHz, 25W Input, 20-40W Output 1623.75 2165.00 KSGPA23514 406-450MHz, 25W Input, 50-100W Output 1623.75 2165.00 KSGPA23514 406-450MHz, 25W Input, 50-100W Output 1623.75 2165.00 KSGPA23543 450-512MHz, 25W Input, 150W Output 2955.00 3940.00 KSGPA23544 406-450MHz, 25W Input, 150W Output 2955.00 3940.00 KSGPS20400 40A, 13.8VDC, 19' Wide Rack-Mounted Power Supply 356.25 475.00 KSGPS20702 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGPS20702 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1305.00 1740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMT20000 2000.00 2000.00 <td>KSGPA23401</td> <td>406-450MHz, 3W Input, 20-40W Output</td> <td>1248.75</td> <td>1665.00</td>	KSGPA23401	406-450MHz, 3W Input, 20-40W Output	1248.75	1665.00
KSGPA23413 450-512MHz, 3W Input, 50-100W Output 1623,75 2165.00 KSGPA23441 460-540MHz, 3W Input, 150W Output 2955.00 3940.00 KSGPA23443 450-512MHz, 3W Input, 150W Output 2955.00 3940.00 KSGPA23501 406-450MHz, 25W Input, 20-40W Output 1248.75 1665.00 KSGPA23501 406-450MHz, 25W Input, 20-40W Output 1623.75 2165.00 KSGPA23511 406-450MHz, 25W Input, 50-100W Output 1623.75 2165.00 KSGPA23541 406-450MHz, 25W Input, 50-100W Output 2955.00 3940.00 KSGPA23543 450-512MHz, 25W Input, 150W Output 2955.00 3940.00 FOWER SUPPLY OPTIONS EPL LIST KSGPS20400 400, 13.3WDC, 19' Wide Rack-Mounted Power Supply 356.25 475.00 KSGPS20702 70A, 13.8WDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGPS20702 70A, 13.8WDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGPS20702 70A, 13.8WDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGMT2002	KSGPA23403	450-512MHz, 3W Input, 20-40W Output	1248.75	1665.00
KSGPA23441 406-450MHz, 3W Input, 150W Output 2955.00 3940.00 KSGPA23443 450-512MHz, 3W Input, 150W Output 22955.00 3940.00 KSGPA23501 406-450MHz, 25W Input, 20-40W Output 1248.75 1665.00 KSGPA23511 406-450MHz, 25W Input, 50-100W Output 1623.75 2165.00 KSGPA23511 406-450MHz, 25W Input, 50-100W Output 1623.75 2165.00 KSGPA23511 406-450MHz, 25W Input, 50-100W Output 2955.00 3940.00 KSGPA23541 406-450MHz, 25W Input, 50-00W Output 2955.00 3940.00 KSGPA23541 406-450MHz, 25W Input, 50-00W Output 2955.00 3940.00 KSGPA23541 406-450MHz, 25W Input, 150W Output 2955.00 3940.00 KSGPA23520701 70A.13.8VDC, 19' Wide Rack-Mounted Power Supply 356.25 475.00 KSGPS20701 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply 1016.25 1355.00 KSGPS20701 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C038) 810.00 1080.00	KSGPA23411	406-450MHz, 3W Input, 50-100W Output	1623.75	2165.00
KSGPA23443 450-512MHz, 3W Input, 150W Output 2955.00 3940.00 KSGPA23501 406-450MHz, 25W Input, 20-40W Output 1248.75 1665.00 KSGPA23503 450-512MHz, 25W Input, 20-40W Output 1623.75 2165.00 KSGPA23513 450-512MHz, 25W Input, 50-100W Output 1623.75 2165.00 KSGPA23513 450-512MHz, 25W Input, 50-100W Output 1623.75 2165.00 KSGPA23543 450-512MHz, 25W Input, 150W Output 2955.00 3940.00 KSGPA23543 450-512MHz, 25W Input, 150W Output 2955.00 3940.00 POWER SUPPLY OPTIONS EPL LIST KSGPS20100 400.138VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGPS20702 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGPS20702 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGMZC017 744.13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGMZ0020 74' (47RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1080.00	KSGPA23413	450-512MHz, 3W Input, 50-100W Output	1623.75	2165.00
KSGPA23501 408-450MHz, 25W Input, 20-40W Output 1248.75 1665.00 KSGPA23503 450-512MHz, 25W Input, 20-40W Output 1248.75 1665.00 KSGPA23511 406-450MHz, 25W Input, 50-100W Output 1623.75 2165.00 KSGPA23514 406-450MHz, 25W Input, 50-100W Output 1623.75 2165.00 KSGPA23541 406-450MHz, 25W Input, 150W Output 2955.00 3940.00 POWER SUPPLY OPTIONS EPL LIST KSGPS20400 40A, 138 VOC, 19' Wide Rack-Mounted Power Supply 356.25 475.00 KSGPS20701 70A, 13.8VOC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGPS20702 70A, 13.8VOC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1305.00 1740.00 MOUNTING CONFIGURATIONS EPL LIST LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT10000, KSGMT0C03R) 810.00 1080.00 KSGMT20020 42'' (26RU) Locking Cabinet 1500.00 2000.00 KSGMT20020 42'' (20RU) Locking Cabinet 1500.00 2000.00 KSGMT20020 42''' (26RU) Locking Cabine	KSGPA23441	406-450MHz, 3W Input, 150W Output	2955.00	3940.00
KSGPA23503 450-512MHz, 25W Input, 50-100W Output 1248,75 1665.00 KSGPA23511 406-450MHz, 25W Input, 50-100W Output 1623,75 2165.00 KSGPA23513 450-512MHz, 25W Input, 500-100W Output 2955.00 3940.00 KSGPA23543 450-512MHz, 25W Input, 150W Output 2955.00 3940.00 KSGPA23543 450-512MHz, 25W Input, 150W Output 2955.00 3940.00 POWER SUPPLY OPTIONS EPL LIST KSGPS20400 MOA, 13.8VDC, 19' Wide Rack-Mounted Power Supply 356.25 475.00 Note: compatible with 150W amplifie option. 356.25 1355.00 KSGPS20701 T0A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGPS20702 T0A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1305.00 1740.00 MOUNTTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C40U) 2006.25 2675.00 KSGMT20020 42' (20RU) Locking Cabinet with Crate (KSGMT10004, KSGMT0C40U) 2006.25 2675.00 KSGMT20001 Cabinet Solid Top Panel </td <td>KSGPA23443</td> <td>450-512MHz, 3W Input, 150W Output</td> <td>2955.00</td> <td>3940.00</td>	KSGPA23443	450-512MHz, 3W Input, 150W Output	2955.00	3940.00
KSGPA23511 406-450MHz, 25W Input, 50-100W Output 1623.75 2165.00 KSGPA23513 450-512MHz, 25W Input, 50-100W Output 1623.75 2165.00 KSGPA23541 406-450MHz, 25W Input, 50-00W Output 2955.00 3940.00 POWER SUPPLY OPTIONS EPL LIST KSGPS20400 40A, 13.8VDC, 19' Wide Rack-Mounted Power Supply 356.25 475.00 KSGPS20352 35A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGPS20701 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGPS20702 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply 1016.25 1355.00 KSGPS20701 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1305.00 1740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMXCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT10000, KSGMT0C03R) 810.00 1080.00 KSGMT20020 42' (20RU) Locking Cabinet 1500.00 2000.00 256.75.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 266.25 435.00 <td>KSGPA23501</td> <td>406-450MHz, 25W Input, 20-40W Output</td> <td>1248.75</td> <td>1665.00</td>	KSGPA23501	406-450MHz, 25W Input, 20-40W Output	1248.75	1665.00
KSGPA23513 450-512MHz, 25W Input, 50-100W Output 1623.75 2165.00 KSGPA23541 406-450MHz, 25W Input, 150W Output 2955.00 3940.00 POWER SUPPLY OPTIONS EPL LIST KSGPA23543 450-512MHz, 25W Input, 150W Output 2955.00 3940.00 POWER SUPPLY OPTIONS EPL LIST KSGPS20400 40A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGPS2032 36A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGPS20701 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1305.00 1740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1080.00 KSGMCA84 77' (40RU) Locking Cabinet 1500.00 2000.00 2000.00 2000.02 2675.00 KSGMT20001 Cabinet Fan Top Assembly 326.25 435.00 XSGMT20000 Cabinet Fan Top Assembly 326.25 435.00 KSGMT20002 Cabinet Fan Top Assembly 326.25 </td <td>KSGPA23503</td> <td>450-512MHz, 25W Input, 20-40W Output</td> <td>1248.75</td> <td>1665.00</td>	KSGPA23503	450-512MHz, 25W Input, 20-40W Output	1248.75	1665.00
KSGPA23541 406-450MHz, 25W Input, 150W Output 2955.00 3940.00 POWER SUPPLY OPTIONS EPL LIST KSGPA23543 450-512MHz, 25W Input, 150W Output 2955.00 3940.00 POWER SUPPLY OPTIONS EPL LIST KSGPS20400 Mob.: Incompatible with 150W amplifier option. 356.25 475.00 KSGPS20352 35Å, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGPS20701 70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger 1305.00 1740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1080.00 KSGMT20020 Carte for 42" (20RU) Locking Cabinet 1500.00 2000.00 KSGMT20010 Cabinet Solid Top Panel 67.50 90.00 1200.00 KSGMT20020 42" (20RU) Locking Cabinet 1500.00 140.00 140.00 MSGMT20002 Cabinet Solid Top Panel 67.50 90.00 1200.00 1200.00 1200.00 1200.00 1200.00 1200.0	KSGPA23511	406-450MHz, 25W Input, 50-100W Output	1623.75	2165.00
KSGPA23543 450-512MHz, 25W Input, 150W Output 2955.00 3940.00 POWER SUPPLY OPTIONS EPL LIST KSGPS20400 Mox. incompatible with 150W amplific option. 356.25 475.00 KSGPS20352 35A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGPS20701 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply 1016.25 1355.00 KSGPS20702 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1305.00 1740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1080.00 KSGMRCK67 7 (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 900.00 1200.00 KSGMT20020 42' (20RU) Locking Cabinet 1500.00 2000.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 KSGMT20002 Cabinet Solid Top Panel (KSGTM10012, KSGTM1007CS, KSGCB32801) 491.25 KSGMT20002 Cabinet Solid Top Panel 67.50 90.00 KSGMT20002 Solin Fon Top Assembly<	KSGPA23513	450-512MHz, 25W Input, 50-100W Output	1623.75	2165.00
POWER SUPPLY OPTIONS EPL LIST KSGPS20400 40A, 13.8VDC, 19' Wide Rack-Mounted Power Supply Note: Incompatible with 150V amplifier option. 356.25 475.00 KSGPS20352 35A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger Note: Incompatible with 150V amplifier option. 1016.25 1355.00 KSGPS20701 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply 1016.25 1355.00 KSGPS20702 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1305.00 1740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1080.00 KSGMRCK7 7' (40RU) Locking Cabinet 1500.00 2000.00 1200.00 KSGMT20020 42' (20RU) Locking Cabinet 258.75 345.00 1500.00 2000.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 140.00 140.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGMT20002 Cabinet Solid Top Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) 491.25 655.00 140.00	KSGPA23541	406-450MHz, 25W Input, 150W Output	2955.00	3940.00
LIC LIC KSGPS20400 40A, 13.8VDC, 19* Wide Rack-Mounted Power Supply 356.25 475.00 KSGPS20352 35A, 13.8VDC, 19* Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGPS20701 70A, 13.8VDC, 19* Wide Rack-Mounted Power Supply 10016.25 1355.00 KSGPS20702 70A, 13.8VDC, 19* Wide Rack-Mounted Power Supply with SmartCharger 1305.00 1740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 10880.00 KSGMT20020 42* (20RU) Locking Cabinet 1500.00 2000.00 KSGMT20020 42* (20RU) Locking Cabinet 1500.00 2000.00 KSGMT20020 42* (20RU) Locking Cabinet 258.75 345.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 KSGTN20003 Cabinet Solid Top Panel 502.50 670.00 KSGTN2001 Cabinet Solid Floor Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) 491.25 655.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST 148.00 140.00 <td>KSGPA23543</td> <td>450-512MHz, 25W Input, 150W Output</td> <td>2955.00</td> <td>3940.00</td>	KSGPA23543	450-512MHz, 25W Input, 150W Output	2955.00	3940.00
KSGPS20400 Note: Incompatible with 150W amplifier option. 356.25 475.00 KSGPS20352 35A.138/DC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGPS20701 70A, 13.8/DC, 19' Wide Rack-Mounted Power Supply 1016.25 1355.00 KSGPS20702 70A, 13.8/DC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1305.00 1740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1080.00 KSGMRCK7 7 (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 900.00 1200.00 KSGMT20020 42'' (20RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 2006.25 2675.00 KSGMT20020 42'' (20RU) Locking Cabinet 1500.00 2000.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 KSGMT20002 Cabinet Solid Top Panel 67.50 90.00 KSGMT20003 Cabinet Solid Floor Panel (Includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN2000	POWER SUPPL	Y OPTIONS	EPL	LIST
KSGPS20352 35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger 1016.25 1355.00 KSGPS20701 70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply 1016.25 1355.00 KSGPS20702 70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger 1305.00 1740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1080.00 KSGMRCK7 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 900.00 1200.00 KSGMRCAB4 77' (40RU) Locking Cabinet 1500.00 2006.25 2675.00 KSGMT20020 42" (20RU) Locking Cabinet 1500.00 2000.00 2000.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 140.00 KSGMT20002 Cabinet Solid Top Panel 67.50 90.00 140.00 KSGMT20002 Cabinet Solid Top Panel 67.50 90.00 140.00 KSGMT20003 Cabinet Solid Top Panel (includes five pre-drilled openings and grommets) 105.00 140.00 WIRE: 2 or 4 wire, 600-Ohm balanced audio	KSGPS20400		356.25	475.00
KSGPS20701 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply 1016.25 1355.00 KSGPS20702 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1305.00 1740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1080.00 KSGMRCK7 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 900.00 1200.00 KSGMT20020 42'' (20RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 2006.25 2675.00 KSGMT20020 42'' (20RU) Locking Cabinet 1500.00 2000.00 KSGMT20020 Cabinet For 42'' (20RU) Locking Cabinet 258.75 345.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 KSGMT20002 Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) 491.25 655.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 502.50 670.00	KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1016.25	1355.00
MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1080.00 KSGMRCK7 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 900.00 1200.00 KSGMCAB4 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 2006.25 2675.00 KSGMT20020 42" (20RU) Locking Cabinet 1500.00 2000.00 KSGMT0C20U A2" (20RU) Locking Cabinet 258.75 345.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 KSGMT20002 Cabinet Solid Top Panel 67.50 90.00 KSGMT20003 Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) 491.25 655.00 N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) 502.50 670.00 KSGTN02N KSGCB32801) Note; 2 or 4 wire, 600-Ohm balanced audio with monitor. 502.50 670.00 <	KSGPS20701		1016.25	1355.00
KSGMRCK33' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)810.001080.00KSGMRCK77' (45RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C07R)900.001200.00KSGMRCK877' (40RU) Locking Cabinet with Crate (KSGMT12004, KSGMT0C40U)2006.252675.00KSGMT2002042' (20RU) Locking Cabinet1500.002000.00KSGMT0C20UCrate for 42'' (20RU) Locking Cabinet258.75345.00KSGMT20001Cabinet Sulutions where extra protection during transportation is required.258.75345.00KSGMT20002Cabinet Solid Top Panel67.5090.00KSGMT20003Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)105.00140.00WRELINE REMOTE CONTROL OPTIONSEPLLISTKSGTN02A2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.491.25655.00KSGTM2001616 Channel Tone Termination Panel502.50670.00Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.502.50670.00Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.711.56948.75MSGTDC2A2 Channel Tone Termination Panel307.50410.00Corder: Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.307.50410.00Mote: 2 or 4 wire, 600-Ohm balanced audio with monitor.270.00360.00Corder: Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.270.00360.00Corder: Note: 2 or 4 wire, 600-Ohm balanced audio wit	KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1305.00	1740.00
KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1080.00 KSGMRCK7 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 900.00 1200.00 KSGMCAB4 77' (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 2006.25 2675.00 KSGMT20020 42'' (20RU) Locking Cabinet 1500.00 2000.00 KSGMT0C20U Crate for 42'' (20RU) Locking Cabinet 258.75 345.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 KSGMT20002 Cabinet Solid Top Panel 67.50 90.00 KSGMT20003 Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 491.25 655.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 711.56 948.75 VSGTN201 Catinet Drane Termination Panel (KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 502.50 670.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 711.56 948.75 <		NEICUBATIONS		
KSGMCAB477" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)2006.252675.00KSGMT2002042" (20RU) Locking Cabinet1500.002000.00KSGMT0C20UCrate for 42" (20RU) Locking Cabinet258.75345.00Note: Optional for situations where extra protection during transportation is required.258.75345.00KSGMT20001Cabinet Solid Top Panel67.5090.00KSGMT20002Cabinet Fan Top Assembly326.25435.00KSGMT20003Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)105.00140.00WIRELINE REMOTE CONTROL OPTIONSEPLLISTKSGTN02A2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.491.25655.00KSGTN02NN-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.502.50670.00KSGTM2001616 Channel Tone Termination Panel (KSGTM10023, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.711.56948.75KSGTDC2ANote: 2 or 4 wire, 600-Ohm balanced audio with monitor.502.50670.00KSGTDC2ANote: 2 or 4 wire, 600-Ohm balanced audio with monitor.711.56948.75KSGTDC2ANote: 2 or 4 wire, 600-Ohm balanced audio with monitor.270.00360.00Configured to support 4-wire EAM interface applications.270.00360.00Gen1 TRUNKING CONFIGURATIONSEPLLISTKSGPG91800Repeater Trunking		NFIGURA HONS	EPL	LIST
KSGMT2002042" (20RU) Locking Cabinet1500.002000.00KSGMT0C20UCrate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required.258.75345.00KSGMT20001Cabinet Solid Top Panel67.5090.00KSGMT20002Cabinet Fan Top Assembly326.25435.00KSGMT20003Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)105.00140.00WIRELINE REMOTE CONTROL OPTIONSEPLLISTKSGTN02A2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.491.25655.00KSGTN02NN-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.502.50670.00KSGTM2001616 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.711.56948.75KSGTDC2ANote: 2 or 4 wire, 600-Ohm balanced audio with monitor.711.56948.75KSGTDC2ANote: 2 or 4 wire, 600-Ohm balanced audio with monitor.307.50410.00order.600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801)307.50410.00KSGTALD1Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4 wire E&M Interface applications.270.00360.00Gen1 TRUNKING CONFIGURATIONSEPLLISTKSGPG91800Repeater Trunking Feature1125.001500.00				
KSGMT0C20UCrate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required.258.75345.00KSGMT20001Cabinet Solid Top Panel67.5090.00KSGMT20002Cabinet Fan Top Assembly326.25435.00KSGMT20003Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)105.00140.00WIRELINE REMOTE CONTROL OPTIONSEPLLISTKSGTN02A2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.491.25655.00KSGTN02NN-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.502.50670.00KSGTM20016Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.711.56948.75KSGTDC2ADC Termination Panel (KSGTM10021, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.307.50410.00KSGTDC2ANote: 2 or 4 wire, 600-Ohm balanced audio with monitor.307.50410.00KSGTALD1Note: 1 channel receive audio line driver panel, 2 wire, 6000 hm balanced output. May also be configured to support 4-wire E&M interface applications.270.00360.00Gen1 TRUNKING CONFIGURATIONSEPLLISTKSGPG91800Repeater Trunking Feature1125.001500.00	KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1080.00
Note: Optional for situations where extra protection during transportation is required.258.75345.00KSGMT20001Cabinet Solid Top Panel67.5090.00KSGMT20002Cabinet Fan Top Assembly326.25435.00KSGMT20003Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)105.00140.00WIRELINE REMOTE CONTROL OPTIONSEPLLISTKSGTN02A2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.491.25655.00KSGTN02NKSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.502.50670.00KSGTM2001616 Channel Tone Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.711.56948.75KSGTDC2A0C Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.711.56948.75MCSGTDC2A0C Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.307.50410.00KSGTALD1Note: 1 channel Torier (KSGTM10021, KSGTM10TCS, KSGCB32801) Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.270.00360.00Gen1 TRUNKING CONFIGURATIONSEPLLISTKSGFQ691800Repeater Trunking Feature1125.001500.00	KSGMRCK3 KSGMRCK7	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	810.00 900.00	1080.00 1200.00
KSGMT20001Cabinet Solid Top Panel67.5090.00KSGMT20002Cabinet Fan Top Assembly326.25435.00KSGMT20003Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)105.00140.00WIRELINE REMOTE CONTROL OPTIONSEPLLISTKSGTN02A2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.491.25655.00KSGTN02NN-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.502.50670.00KSGTM2001616 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.502.50670.00KSGTDC2ANote: 2 or 4 wire, 600-Ohm balanced audio with monitor.711.56948.75DC Termination Panel Mote: 2 or 4 wire, 600-Ohm balanced audio with monitor.307.50410.00KSGTDC2ANote: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.270.00360.00Gen1 TRUNKING CONFIGURATIONSEPLLISTKSGFG61800Repeater Trunking Feature1125.001500.00	KSGMRCK3 KSGMRCK7 KSGMCAB4	 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 	810.00 900.00 2006.25	1080.00 1200.00 2675.00
KSGMT20002Cabinet Fan Top Assembly326.25435.00KSGMT20003Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)105.00140.00WIRELINE REMOTE CONTROL OPTIONSEPLLISTKSGTN02A2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.491.25655.00KSGTN02NN-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.502.50670.00KSGTM2001616 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.711.56948.75KSGTM2001616 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.711.56948.75KSGTDC2ANote: 2 or 4 wire, 600-Ohm balanced audio with monitor.307.50410.00order.600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801)307.50410.00KSGTALD1Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.270.00360.00Gen1 TRUNKING CONFIGURATIONSEPLLISTKSGPG91800Repeater Trunking Feature1125.001500.00	KSGMRCK3 KSGMRCK7 KSGMCAB4 KSGMT20020	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 42" (20RU) Locking Cabinet Crate for 42" (20RU) Locking Cabinet	810.00 900.00 2006.25 1500.00	1080.00 1200.00 2675.00 2000.00
KSGMT20003Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)105.00140.00WIRELINE REMOTE CONTROL OPTIONSEPLLISTKSGTN02A2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.491.25655.00KSGTN02NN-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.502.50670.00KSGTM2001616 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.711.56948.75KSGTDC2ADC Termination Panel (KSGTM10023, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.307.50410.00KSGTALD1Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.270.00360.00Gen1 TRUNKING CONFIGURATIONSEPLLISTKSGPG91800Repeater Trunking Feature1125.001500.00	KSGMRCK3 KSGMRCK7 KSGMCAB4 KSGMT20020 KSGMT0C20U	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 42" (20RU) Locking Cabinet Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required.	810.00 900.00 2006.25 1500.00 258.75	1080.00 1200.00 2675.00 2000.00 345.00
WIRELINE REMOTE CONTROL OPTIONSEPLLISTKSGTN02A2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.491.25655.00KSGTN02NN-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.502.50670.00KSGTM2001616 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.711.56948.75KSGTDC2ADC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.307.50410.00KSGTALD1Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.270.00360.00Gen1 TRUNKING CONFIGURATIONSEPLLISTKSGPG91800Repeater Trunking Feature1125.001500.00	KSGMRCK3 KSGMRCK7 KSGMCAB4 KSGMT20020 KSGMT0C20U KSGMT20001	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 42" (20RU) Locking Cabinet Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required. Cabinet Solid Top Panel	810.00 900.00 2006.25 1500.00 258.75 67.50	1080.00 1200.00 2675.00 2000.00 345.00 90.00
KSGTN02ANote: 2 or 4 wire, 600-Ohm balanced audio with monitor.491.25655.00KSGTN02NN-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.502.50670.00KSGTM2001616 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.711.56948.75KSGTDC2ADC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.307.50410.00KSGTALD1Note: 1 channel receive audio line driver panel, 2 wire, 6000hm balanced output. May also be configured to support 4-wire E&M interface applications.270.00360.00Gen1 TRUNKING CONFIGURATIONSEPLLISTKSGPG91800Repeater Trunking Feature1125.001500.00	KSGMRCK3 KSGMRCK7 KSGMCAB4 KSGMT20020 KSGMT0C20U KSGMT20001 KSGMT20002	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 42" (20RU) Locking Cabinet Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required. Cabinet Solid Top Panel Cabinet Fan Top Assembly	810.00 900.00 2006.25 1500.00 258.75 67.50 326.25	1080.00 1200.00 2675.00 2000.00 345.00 90.00 435.00
KSGTN02N KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling. 502.50 670.00 KSGTM20016 16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 711.56 948.75 DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) 307.50 410.00 KSGTALD1 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order. 307.50 410.00 KSGTALD1 Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications. 270.00 360.00 Gen1 TRUNKING CONFIGURATIONS EPL LIST KSGPG91800 Repeater Trunking Feature 1125.00 1500.00	KSGMRCK3 KSGMRCK7 KSGMCAB4 KSGMT20020 KSGMT0C20U KSGMT20001 KSGMT20002 KSGMT20003	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 42" (20RU) Locking Cabinet Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required. Cabinet Solid Top Panel Cabinet Fan Top Assembly Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	810.00 900.00 2006.25 1500.00 258.75 67.50 326.25 105.00	1080.00 1200.00 2675.00 2000.00 345.00 90.00 435.00 140.00
KSGTM20016 16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 711.56 948.75 KSGTDC2A DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order. 307.50 410.00 KSGTALD1 Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications. 270.00 360.00 Gen1 TRUNKING CONFIGURATIONS EPL LIST KSGPG91800 Repeater Trunking Feature 1125.00 1500.00	KSGMRCK3 KSGMRCK7 KSGMCAB4 KSGMT20020 KSGMT0C20U KSGMT20001 KSGMT20002 KSGMT20003 WIRELINE REM	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 42" (20RU) Locking Cabinet Crate for 42" (20RU) Locking Cabinet <u>Note:</u> Optional for situations where extra protection during transportation is required. Cabinet Solid Top Panel Cabinet Fan Top Assembly Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets) OTE CONTROL OPTIONS 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801)	810.00 900.00 2006.25 1500.00 258.75 67.50 326.25 105.00 EPL	1080.00 1200.00 2675.00 2000.00 345.00 90.00 435.00 140.00 <i>LIST</i>
KSGTDC2A Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order. 307.50 410.00 KSGTALD1 600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) 270.00 360.00 Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications. 270.00 360.00 Gen1 TRUNKING CONFIGURATIONS EPL LIST KSGPG91800 Repeater Trunking Feature 1125.00 1500.00	KSGMRCK3 KSGMRCK7 KSGMCAB4 KSGMT20020 KSGMT20001 KSGMT20002 KSGMT20003 <i>WIRELINE REM</i> KSGTN02A	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 42" (20RU) Locking Cabinet Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required. Cabinet Solid Top Panel Cabinet Solid Top Panel (includes five pre-drilled openings and grommets) OTE CONTROL OPTIONS 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801)	810.00 900.00 2006.25 1500.00 258.75 67.50 326.25 105.00 <i>EPL</i> 491.25	1080.00 1200.00 2675.00 2000.00 345.00 90.00 435.00 140.00 <i>LIST</i> 655.00
600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications. 270.00 360.00 Gen1 TRUNKING CONFIGURATIONS EPL LIST KSGPG91800 Repeater Trunking Feature 1125.00 1500.00	KSGMRCK3 KSGMRCK7 KSGMCAB4 KSGMT20020 KSGMT0C20U KSGMT20001 KSGMT20002 KSGMT20003 <i>WIRELINE REM</i> KSGTN02A KSGTN02N	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 42" (20RU) Locking Cabinet Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required. Cabinet Solid Top Panel Cabinet Fan Top Assembly Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets) OTE CONTROL OPTIONS 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling. 16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	810.00 900.00 2006.25 1500.00 258.75 67.50 326.25 105.00 <i>EPL</i> 491.25 502.50	1080.00 1200.00 2675.00 2000.00 345.00 90.00 435.00 140.00 <i>LIST</i> 655.00 670.00
KSGPG91800 Repeater Trunking Feature 1125.00 1500.00	KSGMRCK3 KSGMRCK7 KSGMCAB4 KSGMT20020 KSGMT20001 KSGMT20002 KSGMT20003 <i>WIRELINE REM</i> KSGTN02A KSGTN02A KSGTN02N	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 42" (20RU) Locking Cabinet Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required. Cabinet Solid Top Panel Cabinet Solid Top Panel Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets) OTE CONTROL OPTIONS 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling. 16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. DC Termination Panel (KSGTM1003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. NC Termination Panel (KSGTM1003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. NC Termination Panel (KSGTM1003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. NC Termination Panel (KSGTM1003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. DC Termination Panel (KSGTM1003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. NC Termination Panel (KSGTM1003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. DC Termination Panel (KSGTM1003, KSGTM10TCS, KSGCB32801)	810.00 900.00 2006.25 1500.00 258.75 67.50 326.25 105.00 EPL 491.25 502.50 711.56	1080.00 1200.00 2675.00 2000.00 345.00 90.00 435.00 140.00 <i>LIST</i> 655.00 670.00 948.75
	KSGMRCK3 KSGMRCK7 KSGMCAB4 KSGMT20020 KSGMT20020 KSGMT20001 KSGMT20002 KSGMT20003 <i>WIRELINE REM</i> KSGTN02A KSGTN02A KSGTN02N KSGTM20016 KSGTDC2A	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 42" (20RU) Locking Cabinet Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required. Cabinet Solid Top Panel Cabinet Fan Top Assembly Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets) OTE CONTROL OPTIONS 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling. 16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. DC Termination Panel (KSGTM1003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. DC Termination Panel (KSGTM1003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. DC Termination Panel (KSGTM10023, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Mote: 2 or 4 wire, 600-Ohm balanced audio with monitor. Mote: 2 or 4 wire, 600-Ohm balanced audio with monitor. Mote: 2 or 4 wire, 600-Ohm balanced audio with monitor. Mote: 2 or 4 wire, 600-Ohm balanced audio with monitor. Mote: 2 or 4 wire, 600-Ohm balanced audio with monitor. Mote: 2 or 4 wire, 600-Ohm balanced audio with monitor. Mote: 2 or 4 wire, 600-Ohm balanced audio with monitor. Mote: 2 or 4 wire, 600-Ohm balanced audio with monitor. Mote: 2 or 4 wire, 600-Ohm balanced audio with monitor. Mote: 2 or 4 wire, 600-Ohm balanced audio with monitor. Mote: 2 or 4 wire, 600-Ohm balanced audio with monitor. Mote: 2 or 4 wire, 600-Ohm balanced audio with monitor. Mote: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be	810.00 900.00 2006.25 1500.00 258.75 67.50 326.25 105.00 <i>EPL</i> 491.25 502.50 711.56 307.50	1080.00 1200.00 2675.00 2000.00 345.00 90.00 435.00 140.00 <i>LIST</i> 655.00 670.00 948.75 410.00
	KSGMRCK3 KSGMRCK7 KSGMCAB4 KSGMT20020 KSGMT20020 KSGMT20001 KSGMT20002 KSGMT20003 <i>WIRELINE REM</i> KSGTN02A KSGTN02A KSGTN02N KSGTM20016 KSGTDC2A KSGTALD1	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 42" (20RU) Locking Cabinet Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required. Cabinet Solid Top Panel Cabinet Solid Top Panel Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets) OTE CONTROL OPTIONS 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Nete; 2 or 4 wire, 600-Ohm balanced audio with monitor. N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Nete; 2 or 4 wire, 600-Ohm balanced audio with monitor. DC Termination Panel (KSGTM1003, KSGTM10TCS, KSGCB32801) Nete; 2 or 4 wire, 600-Ohm balanced audio with monitor. DC Termination Panel (KSGTM1003, KSGTM10TCS, KSGCB32801) Nete; 2 or 4 wire, 600-Ohm balanced audio with monitor. DC Termination Panel (KSGTM1003, KSGTM10TCS, KSGCB32801) Nete; 2 or 4 wire, 600-Ohm balanced audio with monitor. DC Termination Panel (KSGTM10021, KSGTM10TCS, KSGCB32801) Nete; 2 or 4 wire, 600-Ohm balanced audio with monitor. DC Termination Panel (KSGTM10021, KSGTM10TCS, KSGCB32801) Nete; 2 or 4 wire, 600-Ohm balanced audio with monitor. DC Termination Panel (KSGTM10021, KSGTM10TCS, KSGCB32801) Nete; 2 or 4 wire, 600-Ohm balanced audio with monitor. DC Termination Panel (KSGTM10021, KSGTM10TCS, KSGCB32801) Nete; 2 or 4 wire, 600-Ohm balanced audio with monitor. DC Termination Panel (KSGTM10021, KSGTM10TCS, KSGCB32801) Nete; 2 or 4 wire, 600-Ohm balanced audio with monitor. DC Termination Panel (KSGTM10021, KSGTM10TCS, KSGCB32801) Nete; 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	810.00 900.00 2006.25 1500.00 258.75 67.50 326.25 105.00 <i>EPL</i> 491.25 502.50 711.56 307.50 270.00	1080.00 1200.00 2675.00 2000.00 345.00 435.00 140.00 <i>LIST</i> 655.00 670.00 948.75 410.00 360.00

KSGPG91810	Multi-Site Networking Feature Note: One required for each networked site.	8750.25	11667.00
KSGPGKEYSM	System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) <u>Note:</u> Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.)	437.25	583.00
KPG-110SMK	System Manager Trunking Software <u>Note</u> : Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key	344.25	459.00
KSGPGKEY01	Grade-1 Unlimited Access Secure USB Programming Key	125.25	167.00
KSGPGKEY02	Grade-2 Limited Access Secure USB Programming Key	125.25	167.00
USB KEY FUNCTION	I OR CAPABILITY	GRADE-1 (BLUE)	GRADE-2 (YELLOW)
PROGRAM GENERA	AL SYSTEM PARAMETERS	v	v
ADD / DELETE / EDI	T USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.	v	v
	T USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES	v v	v
	EPEATER NETWORK IP ADDRESSES	-	v
ASSIGN OR EDIT RE	EPEATER NETWORK IP ADDRESSES ER CHANNEL(S)	v	v
ASSIGN OR EDIT RE ADD NEW REPEATE	EPEATER NETWORK IP ADDRESSES ER CHANNEL(S) REPEATERS	v v	v
ASSIGN OR EDIT RE ADD NEW REPEATE SWAP OUT SPARE CONSTRUCT OR AD	EPEATER NETWORK IP ADDRESSES ER CHANNEL(S) REPEATERS	v v v	v LIST

ETHERNET SWITCH & ROUTER OPTIONS	EPL	LIST

Note: One switch is required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required in addition to and in conjunction with network switch equipment. Multicast Router options are also available.

KSGNS10008	8-Port Managed Network Switch Note: 1RU Mounting Tray (KSGUT10001) sold separately.	187.50	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	281.25	375.00
KSGRT10004	4-Port Managed VPN Router Note: 1RU Mounting Tray (KSGUT1000) sold separately.	281.25	375.00
EXTERNAL TR	UNKING CONTROLLER OPTIONS	EPL	LIST
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1158.75	1545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	1777.50	2370.00

MISC STATION (OPTIONS	EPL	LIST
KSGDX13546	6 Cavity UHF BpBr Duplexer (450-470MHz Only) <u>Note</u> : Bandpass/Bandreject duplexer, 250W continuous duty. Includes one LMR-400 interface cable.	2321.25	3095.00
KSGDX23101	4 Cavity UHF BpBr Duplexer (450-470MHz Only) <u>Note</u> : Bandpass/Bandreject duplexer, 350W continuous duty. Includes one LMR-400 interface cable.	1331.25	1775.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) Note: Modem 2400 bps to be used with LTR controllers, includes interface cable.	191.25	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) <u>Note</u> : Modem 2400 bps, extra stability in high RF environments, includes interface cable.	911.25	1215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator <u>Note:</u> 19" rack mount; occupies 3RU. Order Station Module Cards below.	6000.00	8000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1147.50	1530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) <u>Note:</u> For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	663.75	885.00
COMPONENTS		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00

KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1616.25	2155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGCB20112	Coaxial BNC 12" Canble	21.00	28.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1136.25	1515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1755.00	2340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
COMPONENTS,	, CON'T	EPL	LIST
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1175.00
KSGUT10001	1RU Mounting Tray <u>Note</u> : Provides mounting space for up to two accessories.	37.50	50.00

NXR-5900

800MHz Digital & FM Base Repeaters - 806-825, 851-870 MHz



GENERAL:

- Conventional / Conventional IP Network
- NEXEDGE Gen1 Network
- NEXEDGE Gen2 Network *
- Occupies 1 RU
- Wideband Coverage
- 0.36 W RF Output Power
- Operates in analog mode at 25 KHz or 12.5 KHz, or in digital mode at 12.5 KHz or 6.25 KHz.
- Built-in 0.5 ppm TCXO
- LED Status Indicators
- USB 2.0 Type-B Interface
- Programming information is required to properly configure each system. Please contact your Kenwood Systems Regional Manager for assistance.

GENERAL OPTIONS:

- External amplifier with built-in T/R antenna switching for simplex operation
 - Wire line remote control
- Power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications.
- High performance 6 cavity BpBr duplexer is available
- Multi-channel combining systems quoted on an individual system basis
- Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks.
- Amplifier choices include 75W and 130W options.
- Custom configurations are available; contact your Kenwood Systems Regional Sales Manager for details.

TRUNKING OPTIONS

- Enabling of Trunking feature
- Secondary, restricted-level service keys for management of less critical system parameters available. Each trunking system requires an Ethernet switch per site. Routers are optional for a single-site system but required for multi-site systems.
- System switches and routers are recommended, but most commercially available network equipment is compatible.

NXR-5900 REPE	ATER		EPL	LIST
NXR-5900K	Repeater, Digital, RX	806-825 MHz, TX 821-870 MHz	4,312.50	5,750.00
Ver Vice vere Verbourd of Drag License Key Film ['Jieft] and Drap to This Area	•	KPT-300LMC License Management Client KPT-300LMC is a required software package that is used to KPT-300LMC is available as a free download from Kenwood with applicable software. NOTE: A license key is required for the KPT-300LMC to auth prior to use. To receive a license key, complete the "Accour and return to the Kenwood Systems Order Desk. License Keys will be E-Mailed to the address provided on the A hard copy will follow by mail for your records.	Tools and is also sup nenticate the software nt Request Form"	pplied
KPT-300LMC	License Management	Client	NC	NC
L-5000	Account Registration Note: specify the numbe	Key r of PC's used for Radio Feature License Activation.	NC	NC
SOFTWARE LICENS	E OPTIONS		EPL	LIST

TO PLACE AN ORDER FOR SOFTWARE:

- 1. Complete the attached Software License Key Request Form.
- 2. Submit along with your PO to the SYSTEMS Order Desk via:
- a) E-Mail: systemsorderdesk@us.jvckenwood.com b) Fax: (678) 957-1880
- 3. License Keys will be E-mailed to the address provided on the order form. A hard copy will follow by mail for your records.

Software License Key Discount Structure

	1 License Key
10% OFF	2 ~ 4 License Keys
35% OFF	5 ~ 14 License Keys
40% OFF	15 ~ 24 License Kevs

SOFTWARE LICE	ENSE OPTIONS	EPL	LIST
KPG-D2NK	License Key for KPG-D2NK Programming Software for NXR-5000 Repeater (Windows® Vista/7/8/8.1) <u>Note:</u> - Requires KPT-300LMC for authentication. - To program NXR-5000, Type A/B USB Cable (KSGCB10206) may be required.	77.49	103.25

RADIO FEATURE LICENSE OPTIONS

PCs registered under the same KPT-300LMC Account Registration Key (License Key) will be able to authentic Radio Features that can then be viewed / shared / managed by all registered users for the account.

* TO PLACE AN ORDER FOR RADIO FEATURE LICENSES:

- 1. Complete the attached Radio Feature Request Form.
- 2. Submit along with your PO to the SYSTEMS Order Desk via:
 - a) E-Mail: systemsorderdesk@us.jvckenwood.com
 - b) Fax: (678) 957-1880
- 3. License Keys will be E-mailed to the address provided on the request form. A hard copy will follow by mail for your records.

Note: Radio Feature License Keys can be transferable from a radio to radio <u>within 72 hours</u> count started from being authenticated to a Radio. Once license transferred radio is authenticated by KPT-300LMC, 72 hours is reset and count started from first.

KWD-NX50VTR	License Key for NXR-5000 Vote System	300.00	500.00
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BASIC ACCES	SORIES	EPL	LIST
KXK-3M3	6.25KHz "Very Narrow Band" Option High Stability Reference Oscillator <u>Note:</u> Only one KXK-3M3 required per site for 6.25KHz operation.	1,999.80	3,333.00
KPG-149RM	Nexedge Repeater Monitoring Software	150.00	250.00
KSGCB10206	Programming USB A/B Cable	10.20	17.00
B5B-7278-00	NXR-5900 Service Manual	30.00	50.00
RF REPEATER	STATION AMPLIFIER OPTIONS	EPL	LIST
Note: Includes One Cat	le for Radio Connectivity.		
KSGPA24181	764-870MHz, 250mW Input, 75W Output	2,175.00	2,900.00
KSGPA24131	764-870MHz, 250mW Input, 130W Output	2,872.50	3,830.00
POWER SUPPL	Y OPTIONS	EPL	LIST
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply <u>Note</u> : Incompatible with 130W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger <u>Note</u> : Incompatible with 130W amplifier option.	1,016.25	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00
MOUNTING CO	NFIGURATIONS	EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00

	Crate for 42" (20RU) Locking Cabinet		
KSGMT0C20U	Note: Optional for situations where extra protection during transportation is required.	258.75	345.00
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
WIRELINE REM	OTE CONTROL OPTIONS	EPL	LIST
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) <u>Note:</u> 2 or 4 wire, 600-Ohm balanced audio with monitor.	491.25	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	502.50	670.00
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) <u>Note:</u> 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	307.50	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) <u>Note:</u> 1 channel receive audio line driver panel, 2 wire, 6000hm balanced output. May also be configured to support 4-wire E&M interface applications.	270.00	360.00
Gen1 TRUNKIN	G CONFIGURATIONS	EPL	LIST
KSGPG91800	Repeater Trunking Feature	1,125.00	1,500.00
KSGPG91810	<u>Note</u> : One Feature required for each trunking repeater. Multi-Site Networking Feature	8,750.25	11,667.00
K3GPG91810	<u>Note</u> : One required for each networked site. System Manager Software and Secure USB Key Package (KPG-110SMK,	6,750.25	11,007.00
KSGPGKEYSM	KSGPGKEY01) <u>Note:</u> Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.)	437.25	583.00
KPG-110SMK	System Manager Trunking Software <u>Note</u> : Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key	344.25	459.00
KSGPGKEY01	Grade-1 Unlimited Access Secure USB Programming Key	125.25	167.00
KSGPGKEY02	Grade-2 Limited Access Secure USB Programming Key	125.25	167.00
KSGPGKEY02		125.25 GRADE-1 (BLUE)	167.00 GRADE-2 (YELLOW)
USB KEY FUNCTION		GRADE-1	GRADE-2
USB KEY FUNCTION	N OR CAPABILITY	GRADE-1 (BLUE)	GRADE-2 (YELLOW)
USB KEY FUNCTION PROGRAM GENERA ADD / DELETE / EDI	N OR CAPABILITY	GRADE-1 (BLUE) √	GRADE-2 (YELLOW) √
USB KEY FUNCTION PROGRAM GENERA ADD / DELETE / EDI	N OR CAPABILITY AL SYSTEM PARAMETERS T USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES	GRADE-1 (BLUE) √ √	GRADE-2 (YELLOW) √
USB KEY FUNCTION PROGRAM GENERA ADD / DELETE / EDI' ASSIGN OR EDIT RE	N OR CAPABILITY AL SYSTEM PARAMETERS T USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES ER CHANNEL(S)	GRADE-1 (BLUE) √ √	GRADE-2 (YELLOW) √
USB KEY FUNCTION PROGRAM GENERA ADD / DELETE / EDI ASSIGN OR EDIT RE ADD NEW REPEATE	N OR CAPABILITY AL SYSTEM PARAMETERS T USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES ER CHANNEL(S) REPEATERS	GRADE-1 (BLUE) √ √ √ √	GRADE-2 (YELLOW) √
USB KEY FUNCTION PROGRAM GENERA ADD / DELETE / EDI ASSIGN OR EDIT RE ADD NEW REPEATE SWAP OUT SPARE CONSTRUCT OR AE	N OR CAPABILITY AL SYSTEM PARAMETERS T USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES ER CHANNEL(S) REPEATERS	GRADE-1 (BLUE) √ √ √ √	GRADE-2 (YELLOW) √ √
USB KEY FUNCTION PROGRAM GENERA ADD / DELETE / EDI ASSIGN OR EDIT RE ADD NEW REPEATE SWAP OUT SPARE CONSTRUCT OR AE Gen2 TRUNKING	N OR CAPABILITY AL SYSTEM PARAMETERS T USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES ER CHANNEL(S) REPEATERS DD NEW SITES	GRADE-1 (BLUE) ✓ ✓ ✓ ✓ ✓ ✓	GRADE-2 (YELLOW) √
USB KEY FUNCTION PROGRAM GENERA ADD / DELETE / EDI' ASSIGN OR EDIT RE ADD NEW REPEATE SWAP OUT SPARE CONSTRUCT OR AE Gen2 TRUNKING Please see the N ETHERNET SWI	N OR CAPABILITY AL SYSTEM PARAMETERS T USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES ER CHANNEL(S) REPEATERS DD NEW SITES G CONFIGURATIONS EXEDGE Gen2 Page. TCH & ROUTER OPTIONS	GRADE-1 (BLUE) ✓ ✓ ✓ ✓ ✓ ✓	GRADE-2 (YELLOW) √ √
USB KEY FUNCTION PROGRAM GENERA ADD / DELETE / EDI' ASSIGN OR EDIT RE ADD NEW REPEATE SWAP OUT SPARE CONSTRUCT OR AE Gen2 TRUNKING Please see the N ETHERNET SWI Note: One switch is requ	N OR CAPABILITY AL SYSTEM PARAMETERS T USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES ER CHANNEL(S) REPEATERS DD NEW SITES G CONFIGURATIONS EXEDGE Gen2 Page. TCH & ROUTER OPTIONS Integ for each site; VPN router(s) may be required for multi-site systems depending on desired add, VPN router(s) are required in addition to and in conjunction with network switch equipment.	GRADE-1 (BLUE) ✓ ✓ ✓ ✓ ✓ ✓ ✓	GRADE-2 (YELLOW) √ √
USB KEY FUNCTION PROGRAM GENERA ADD / DELETE / EDI' ASSIGN OR EDIT RE ADD NEW REPEATE SWAP OUT SPARE CONSTRUCT OR AE Gen2 TRUNKING Please see the N ETHERNET SWI Note: One switch is requ	N OR CAPABILITY AL SYSTEM PARAMETERS T USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES ER CHANNEL(S) REPEATERS DD NEW SITES CONFIGURATIONS EXEDGE Gen2 Page. TCCH & ROUTER OPTIONS Integ for each site; VPN router(s) may be required for multi-site systems depending on desired ided, VPN router(s) are required in addition to and in conjunction with network switch equipment. 8-Port Managed Network Switch	GRADE-1 (BLUE) ✓ ✓ ✓ ✓ ✓ ✓ ✓	GRADE-2 (YELLOW) √ √ √ <i>LIST</i>
USB KEY FUNCTION PROGRAM GENERA ADD / DELETE / EDI' ASSIGN OR EDIT RE ADD NEW REPEATE SWAP OUT SPARE CONSTRUCT OR AE Gen2 TRUNKING Please see the N ETHERNET SWI Note: One switch is required	N OR CAPABILITY AL SYSTEM PARAMETERS T USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES ER CHANNEL(S) REPEATERS DD NEW SITES G CONFIGURATIONS EXEDGE Gen2 Page. TCH & ROUTER OPTIONS Integ for each site; VPN router(s) may be required for multi-site systems depending on desired add, VPN router(s) are required in addition to and in conjunction with network switch equipment.	GRADE-1 (BLUE) ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ <i>EPL</i>	GRADE-2 (YELLOW) ✓ ✓ ✓ <i>LIST</i> 250.00
USB KEY FUNCTION PROGRAM GENERA ADD / DELETE / EDI' ASSIGN OR EDIT RE ADD NEW REPEATE SWAP OUT SPARE CONSTRUCT OR AE Gen2 TRUNKING Please see the N ETHERNET SWI Note: One switch is requ configuration. When nee KSGNS10008	N OR CAPABILITY AL SYSTEM PARAMETERS T USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES ER CHANNEL(S) REPEATERS DD NEW SITES CONFIGURATIONS EXEDGE Gen2 Page. TCH & ROUTER OPTIONS Inter for each site; VPN router(s) may be required for multi-site systems depending on desired aded. VPN router(s) are required in addition to and in conjunction with network switch equipment. 8-Port Managed Network Switch Note: 1RU Mounting Tray (KSGUT10001) sold separately. Rack Mounted 24-Port Managed Network Switch 4-Port Managed VPN Router	GRADE-1 (BLUE) ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	GRADE-2 (YELLOW) ✓ ✓ ✓ <i>LIST</i> 250.00 375.00
USB KEY FUNCTION PROGRAM GENERA ADD / DELETE / EDI' ASSIGN OR EDIT RE ADD NEW REPEATE SWAP OUT SPARE CONSTRUCT OR AE Gen2 TRUNKING Please see the N ETHERNET SWI Note: One switch is requ configuration. When nee KSGNS10008 KSGNS10024 KSGRT10004	N OR CAPABILITY AL SYSTEM PARAMETERS T USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES ER CHANNEL(S) REPEATERS DD NEW SITES CONFIGURATIONS EXEDGE Gen2 Page. TCH & ROUTER OPTIONS Inter for each site; VPN router(s) may be required for multi-site systems depending on desired aded. VPN router(s) are required in addition to and in conjunction with network switch equipment. 8-Port Managed Network Switch Note: 1RU Mounting Tray (KSGUT10001) sold separately. Rack Mounted 24-Port Managed Network Switch	GRADE-1 (BLUE) V V V V V V V V V EPL 187.50 281.25	GRADE-2 (YELLOW) √ √
USB KEY FUNCTION PROGRAM GENERA ADD / DELETE / EDI' ASSIGN OR EDIT RE ADD NEW REPEATE SWAP OUT SPARE CONSTRUCT OR AE Gen2 TRUNKING Please see the N ETHERNET SWI Note: One switch is requ configuration. When nee KSGNS10008 KSGNS10024 KSGRT10004	N OR CAPABILITY AL SYSTEM PARAMETERS T USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES ER CHANNEL(S) REPEATERS DD NEW SITES CONFIGURATIONS EXEDGE Gen2 Page. TCH & ROUTER OPTIONS Inter for each site; VPN router(s) may be required for multi-site systems depending on desired ided. VPN router(s) are required in addition to and in conjunction with network switch equipment. 8-Port Managed Network Switch Note: 1RU Mounting Tray (KSGUT1000) sold separately. Rack Mounted 24-Port Managed Network Switch 4-Port Managed VPN Router Note: 1RU Mounting Tray (KSGUT1000) sold separately.	GRADE-1 (BLUE) ✓ ✓ ✓ ✓ ✓ ✓ <i>V</i> <i>V</i> <i>V</i> <i>V</i> <i>V</i> <i>V</i> <i>V</i> <i>V</i>	GRADE-2 (YELLOW) ✓ ✓ ✓ <i>LIST</i> 250.00 375.00

MISC STATION OPTIONS	EPL	LIST
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Two Way Radio Express Products (EPL) 3744

KSGDX14644	4 Cavity 800MHz BpBr Duplexer <u>Note</u> : Bandpass/Bandreject duplexer, 250W continuous duty, minimum TX-RX 5MHz. Includes RF cables, mounting and tuning. Includes one LMR-400 interface cable.	1,743.75	2,325.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) <u>Note</u> : Modem 2400 bps to be used with LTR controllers, includes interface cable.	191.25	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) <u>Note</u> : Modem 2400 bps, extra stability in high RF environments, includes interface cable.	911.25	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator <u>Note:</u> 19" rack mount; occupies 3RU. Order Station Module Cards below.	6,000.00	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,147.50	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) Note: For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	663.75	885.00
COMPONENTS		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,136.25	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1,755.00	2,340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1,175.00
KSGUT10001	1RU Mounting Tray <u>Note</u> : Provides mounting space for up to two accessories.	37.50	50.00

LIST

EPL

NXR-5901

900MHz Digital & FM Base Repeaters - 896-902, 935-941 MHz



GENERAL:

- Conventional / Conventional IP Network
- NEXEDGE Gen1 Network
- NEXEDGE Gen2 Network *
- Occupies 1 RU
- Wideband Coverage
- 0.36 W RF Output Power
- Operates in analog mode at 25 KHz or 12.5 KHz, or in digital mode at 12.5 KHz or 6.25 KHz.
- Built-in 0.5 ppm TCXO
- LED Status Indicators
- USB 2.0 Type-B Interface
- Programming information is required to properly configure each system. Please contact your Kenwood Systems Regional Manager for assistance.

GENERAL OPTIONS:

- External amplifier with built-in T/R antenna switching for simplex operation
- Wire line remote control
 Power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications.
- High performance 6 cavity BpBr duplexer is available
- · Multi-channel combining systems quoted on an individual system basis
- Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks.
- Amplifier choices include 75W and 130W options.
- Custom configurations are available; contact your Kenwood Systems Regional Sales Manager for details.

TRUNKING OPTIONS

- Enabling of Trunking feature
- Secondary, restricted-level service keys for management of less critical system parameters available. Each trunking system requires an Ethernet switch per site. Routers are optional for a single-site system but required for multi-site systems.
- System switches and routers are recommended, but most commercially available network equipment is compatible.

NXR-5901 REPE	ATER		EPL	LIST
NXR-5901K	Repeater, Digital, RX	896-902MHz, TX 935-941MHz	4,312.50	5,750.00
Vanis Mergenet Gert-Drine Tre Attenues Gestales State Hit Gestales State Hit Liseus Driny Drine		KPT-300LMC License Management Client		
Madal M.Sada Sessription Days Alaveed Querit	y Lood Authention <u>Faild Advantum</u> Model M.Code Coverymen Days Lafe	KPT-300LMC is a <u>required</u> software package that is used to	o authenticate softwa	re
Drag License Key Files (* jkefs) and Drop to This Area		KPT-300LMC is available as a free download from Kenwoo with applicable software.	d Tools and is also su	ipplied
		NOTE : A license key is required for the KPT-300LMC to au prior to use. To receive a license key, complete the "Accord and return to the Kenwood Systems Order Desk.		e
Note: KPT-300LMC is con	npatible with	License Keys will be E-Mailed to the address provided on the		orm

Note: KPT-300LMC is compatible with Windows Vista/7/8/8.1 Only. Windows XP is not supported. License Keys will be E-Mailed to the address provided on the Account Request Form. A hard copy will follow by mail for your records.

KPT-300LMC	License Management Client	NC	NC
L-5000	Account Registration Key <u>Note:</u> specify the number of PC's used for Radio Feature License Activation.	NC	NC

SOFTWARE LICENSE OPTIONS

TO PLACE AN ORDER FOR SOFTWARE:

- 1. Complete the attached Software License Key Request Form.
- 2. Submit along with your PO to the SYSTEMS Order Desk via:
- a) E-Mail: systemsorderdesk@us.jvckenwood.com b) Fax: (678) 957-1880
- 3. License Keys will be E-mailed to the address provided on the order form. A hard copy will follow by mail for your records.

Software License Key Discount Structure

	1 License Key
10% OFF	2 ~ 4 License Keys
35% OFF	5 ~ 14 License Keys
40% OFF	15 ~ 24 License Keys

SOFTWARE LICE	ENSE OPTIONS	EPL	LIST
KPG-D2NK	License Key for KPG-D2NK Programming Software for NXR-5000 Repeater (Windows® Vista/7/8/8.1) <u>Note:</u> - Requires KPT-300LMC for authentication. - To program NXR-5000, Type A/B USB Cable (KSGCB10206) may be required.	77.44	103.25

RADIO FEATURE LICENSE OPTIONS

PCs registered under the same KPT-300LMC Account Registration Key (License Key) will be able to authentic Radio Features that can then be viewed / shared / managed by all registered users for the account.

* TO PLACE AN ORDER FOR RADIO FEATURE LICENSES:

- 1. Complete the attached Radio Feature Request Form.
- 2. Submit along with your PO to the SYSTEMS Order Desk via:
 - a) E-Mail: systemsorderdesk@us.jvckenwood.com
 - b) Fax: (678) 957-1880
- 3. License Keys will be E-mailed to the address provided on the request form. A hard copy will follow by mail for your records.

Note: Radio Feature License Keys can be transferable from a radio to radio <u>within 72 hours</u> count started from being authenticated to a Radio. Once license transferred radio is authenticated by KPT-300LMC, 72 hours is reset and count started from first.

KWD-NX50VTR	License Key for NXR-5000 Vote System	300.00	500.00

BASIC ACCES	SORIES	EPL	LIST
КХК-ЗМЗ	6.25KHz "Very Narrow Band" Option High Stability Reference Oscillator <u>Note:</u> Only one KXK-3M3 required per site for 12.5kHa and 6.25KHz operation.	2,499.75	3,333.00
KPG-149RM	Nexedge Repeater Monitoring Software	187.50	250.00
KSGCB10206	Programming USB A/B Cable	12.75	17.00
B5B-7278-00	NXR-5901 Service Manual	37.50	50.00
RF REPEATER	STATION AMPLIFIER OPTIONS	EPL	LIST
Note: Includes One Cal	ole for Radio Connectivity.		
KSGPA25172	928-943MHz, 250mW Input, 75W Output	2,175.00	2,900.00
KSGPA25132	935-940MHz, 250mW Input, 130W Output	2,872.50	3,830.00
POWER SUPPLY OPTIONS		EPL	LIST
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply <u>Note</u> : Incompatible with 130W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger <u>Note</u> : Incompatible with 130W amplifier option.	1,016.25	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00
MOUNTING CC	NFIGURATIONS	EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00

KSGMT0C20U Critet for 42° (20FU) Locking Cabinet Nete, Gronous exites protection during transportation is required. 258.75 345.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 KSGMT20002 Cabinet Fin Top Assembly 326.25 435.00 KSGMT20003 Cabinet Fin Top Assembly 326.25 435.00 KSGMT20003 Cabinet Solid Floor Panel (Includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channet Tome Termination Panel (KSGTM10012, KSGTM20TCS, KSGCB32801) 491.25 655.00 KSGTN02N NSeries 2 Channel Tome Termination Panel (KSGTM100C, KSGTM20TCS, KSGCB32801) 491.25 655.00 KSGTN02N NSeries 2 Channel Tome Termination Panel (KSGTM100C, KSGTM20TCS, KSGCB32801) 307.50 410.00 KSGTALD1 Note Tome Panel (KSGTM1002, KSGTM10TCS, KSGCB32801) 307.50 410.00 KSGTALD1 Note Tome Panel (KSGTM1002, KSGTM10TCS, KSGCB32801) 307.50 410.00 KSGTALD1 Note Tome Panel (KSGTM1002, KSGTM10TCS, KSGCB32801) 307.50 410.00 KSGTALD1 Note Tome Panel (KSGTM1002, KSGTM	KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT20001 Cabinet Fan Top Assembly 326.25 435.00 KSGMT20003 Cabinet Fan Top Assembly 326.25 435.00 KSGMT20003 Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) 491.25 655.00 Nog. 2 er A wies, 600-Om balanced audo with monitor. Socies 22001 502.50 670.00 DCT Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) 491.25 655.00 KSGTDC2A Mog. 2 er 4 wies, 600-Om balanced audo with monitor. Specify DC current settings at time of order 307.50 410.00 KSGTALD1 Mog. 2 er 4 wies, 600-Om balanced audo with monitor. Specify DC current settings at time of order 307.50 410.00 KSGTALD1 Mog. 2 er 4 wies, 600-Om balanced audo with monitor. Specify DC current settings at time of order 307.50 410.00 KSGTALD1 Mog. 2 er 4 wies, 600-Om balanced audo with monitor. Specify DC current settings at time of order 307.50 410.00 KSGNS10004 B-Port Managed Network Switch 281.25 375.00 350.00 357.00<	KSGMT0C20U	(), B	258.75	345.00
KSGMT20002 Cabinet Fan Top Assembly 326.25 435.00 KSGMT20003 Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) 491.25 655.00 NSeries 2-Channel Tone Termination Panel (KSGTM10006, KSGTM20TCS, KSGTN02N 502.50 670.00 NSeries 2-Channel Tone Termination Panel (KSGTM10006, KSGTM20TCS, KSGTD2A 502.50 670.00 Netz 2-ot Avie, 60-00m biolined audo with monitor and automatic line leveling. DC Termination Panel (KSGTM10021, KSGTM10TCS, KSGCB32801) 502.50 670.00 KSGTALD1 Netz 2-ot Avie, 60-00m biolined audo with monitor and automatic line leveling. DC Termination Panel (KSGTM10021, KSGTM10TCS, KSGCB32801) 270.00 360.00 KSGTALD1 Netz 2-ot Avie, 60-00m biolined audo with monitor and automatic meeting on desired configuration. Where, 60-00m biolined audo with monitor and automatic meeting. 270.00 360.00 KSGTALD1 Netz 2-ot avie, 60-00m biolined audo with monitor and automatic meeting. 270.00 360.00 KSGTALD1 Netz Creating Panel (KSGTM10021, KSGTM10021, KSGCB32801) 270.00 360.00 KSGTALD1 Netz Creating Panel Automatic Mathematic Panel Automatic Mathematic Mathematic Mathematic Panel Automatic Mathematic Mathematic Mathematic Panel Automatic Mathematic Mathematic Panel Mathe	KSGMT20001		67.50	90.00
WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Charmal Tone Termination Panel (KSCTM10012, KSGTM10TCS, KSGCB32801) Nster 20 4 wine, 600-0mm balanced audio with monitor. 491.25 655.00 KSGTN02N Ns-Series 2 Channel Tone Termination Panel (KSCTM10006, KSGTM20TCS, KSGCB32801) 502.50 670.00 Note: 20 4 wine, 600-0mm balanced audio with monitor and automatic line treeling. 502.50 670.00 KSGTN02N KSGCB32801) 502.50 670.00 Nate: 20 4 wine, 600-0mm balanced audio with monitor and automatic line treeling. 502.50 670.00 KSGTALD1 Nate: 1 channel rocewide audio line driver panel, 2 we, 6000mm balanced output. May also be configured. Wancell, 20 and support 4 wire EM termination Panel 2 we, 6000mm balanced output. May also be configured. Wind router() are required in addition to and in conjunction with network switch equipment. 270.00 360.00 EFHERNET SWITCH & ROUTER OPTIONS EPL LIST Note: creative are ato available. 8-Port Managed Network Switch 281.25 375.00 KSGN100024 4-Port Managed Network Switch 281.25 375.00 KSGRT01004 4-Port Managed Network Switch 281.25 375.00 KSGRD9100 Mete: RU Mouning Tray (KSUT10001)		Cabinet Fan Top Assembly		
KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) 491.25 655.00 NS-bries 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) 502.50 670.00 NS-gries 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) 502.50 670.00 NS-gries 2 Channel Tone Termination Panel (KSGTM10025, KSGCB32801) 307.50 410.00 KSGTD2A Neg. 20 44 we, 60.00-the balanced audo with monitor. Speck Dp C current settings at time of ordiger and the ordinary annel, 2 we, 6000the balanced output. May also be configured to support 4 we KSGTM10021, KSGTM10025, KSGCB32801) 307.50 410.00 KSGTALD1 Neg. 1 channel rookel audo line driver grant, 2 we, 6000the balanced output. May also be configured to support 4 we KSGTM10021, MSGTM10001, we configured to support 4 we KSGTM10012, MSGTM10001, we configured to support 4 we KSGTM10012, MSGTM10001, we configured to support 4 we KSGTM10012, MSGTM10001, and segarately. 270.00 360.00 KSGN510008 B-Port Managed Network Switch 281.25 375.00 KSGRS110004 Rebard Managed VEN KOUT 281.25 375.00 KSGRPG1800 Repeater Trunking Featur Moniting repeater. 1,125.00 1,500.00 KSGPG9180 Male: Reputed for adult ing repeater. 1,252.00 1,500.00 KSGPG91810 Male: Charter and Secure USB Pogramming Key <td></td> <td>Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)</td> <td></td> <td></td>		Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)		
KSGTN02A Negle: 2 of 4 wire; 600-0m balanced audo with monitor. 491.23 653.00 KSGTN02N N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGTD2A 502.50 670.00 Mage: 2 of 4 wire, 800-0m balanced audo with monitor and automatic line leveling. 502.50 670.00 KSGTD2A Mage: 2 of 4 wire, 800-0m balanced audo with monitor. 502.50 670.00 KSGTD2A Mage: 2 of 4 wire, 800-0m balanced audo with monitor. 502.50 670.00 KSGTD2A Mage: 2 of 4 wire, 800-0m balanced audo with monitor. 502.50 670.00 KSGTALD1 B00 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) 270.00 360.00 ETHERNET SWITCH & ROUTER OPTIONS EPL LIST Netto: One switch is required for each site: VFN couldrel() may be required for multi-site systems depending on desired configuration. When needed, VFN router() may be required for with-site systems depending on desired configuration. When needed, VFN router () Managed Network Switch 281.25 375.00 KSGN510024 Reck Mounted 24-Port Managed Network Switch 281.25 375.00 KSGPG1810 Multi-Site Networking Feature 1,125.00 1,500.00 KSGPG81810 Multi-Site Networking Feature 8,750.25 11,667.00 Mage	WIRELINE R	EMOTE CONTROL OPTIONS	EPL	LIST
KSGCN02N KSGCB32801) 502.50 670.00 Note: 2 or 4 wire, 600-00m balanced audo with monitor and automatic line leveling. 307.50 410.00 KSGTDCZA Nete: 2 or 4 wire, 600-00m balanced audo with monitor. Specify DC current settings at time of diret. 307.50 410.00 KSGTDCZA Note: 1 annual neede audo bits findings patient. KSGCB32801) 307.50 410.00 KSGTALD1 Note: 1 annual needee audo bits findings patient. SCGCB32801) 270.00 360.00 configured to support 4-wite E&M interface applications. EPL LIST Note: One switch is required for each site: VPN route(s) may be required for multi-site systems depending on desired configured to ach site: VPN route(s) may be required for multi-site systems depending on desired configured to ach site: VPN route(s) and the transformer and automatic line (switch equipment. 187.50 250.00 KSGNS10004 8-Port Managed Network Switch 281.25 375.00 KSGRF10004 4-Port Managed Network Switch 281.25 375.00 KSGPG91800 Repeater Trunking Feature 1,125.00 1,500.00 KSGPG691801 Mage: One required for each interving and Network Switch 8,750.25 11,667.00 KSGPG64EYSM Mage: One required weande site 8,750.25 <	KSGTN02A		491.25	655.00
BC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) 307.50 410.00 KSGTDC2A Nete: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order. 307.50 410.00 KSGTALD1 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order. 307.50 410.00 KSGTALD1 Note: 1 channel receive audio line driver pranel. 2 wire, 6000hm balanced autiput. May also be configured to support 4-wire EAM interface applications. 270.00 360.00 ETHERNET SWITCH & ROUTER OPTIONS EPL LIST Note: One switch is required for each site: VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required for substruction with network switch proteins are also available. 187.50 250.00 KSGN510024 Rack Mounted 24-Port Managed Network Switch Note: 1RU Mouning Tray (KSGUT10001) sold separately. 281.25 375.00 INTERNAL TRUNKING AND NETWORKING OPTIONS EPL LIST KSGPG91810 Nulti-Site Networking Feature Note: Segregately. 1,125.00 1,500.00 KSGPG4KEYO1 Grade-1 Unlimited for each nunking repeater. 1,125.00 1,500.00 KSGPG4KEYO1 Note: conerequired for sach networked site 8,750.25	KSGTN02N	KSGCB32801)	502.50	670.00
KSGTALD1 600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) Note:: 1 channel receive audo line driver panel, 2 wire, 600Ohm balanced output. May also be configurated support 4-wire EAM interface applications. 270.00 360.00 ETHERNET SWITCH & ROUTER OPTIONS EPL LIST Note:: One switch is required for each site; VPN router(s) may be required for addition to and in conjunction with network switch equipment. Multicaat Route options are aliao available. 187.50 250.00 KSGNS10008 8-Port Managed Network Switch Note:: RU Mounting Tay (KSGUT10001) sold separately. 187.50 250.00 INTERNAL TRUNKING AND NETWORKING OPTIONS EPL LIST KSGPG91800 Repeater Trunking Feature Note:: RU Mounting Tay (KSGUT10001) sold separately. 281.25 375.00 KSGPG91810 Nulti-Site Networking Feature Note:: RU Mounting Tay (KSGUT10001) sold separately. 1,125.00 1,500.00 KSGPGREYSM Note:: One required for and havedred site 8,750.25 11,667.00 System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01 KSGPGKEY01 437.25 583.00 KSGPGKEY01 Grade-1 Unlimited Access Secure USB Programming Key 125.25 167.00 KSGPGKEY01 Grade-2 Limited Access Secure USB Programming Key 125.25 167.00 V V V	KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) <u>Note:</u> 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of	307.50	410.00
Note: One switch is required for each sile; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required in addition to and in conjunction with network switch equipment. KSGNS10008 &-Port Managed Network Switch Nete: 1RU Mounting Tray (KSQUT10001) sold separately. 187.50 250.00 KSGNS10024 Rack Mounting Z-Port Managed Network Switch Nete: 1RU Mounting Tray (KSQUT10001) sold separately. 281.25 375.00 INTERNAL TRUNKING AND NETWORKING OPTIONS EPL LIST KSGPG91800 Repeater Trunking Feature Note: One Feature required for each trunking repeater. 1,125.00 1,500.00 KSGPG91810 Multi-Site Networking Feature Note: One required for each trunking system. Software/Key package (kPG-110SMK, KSGPGKEYSM 437.25 583.00 KSGPGKEYSM Note: One required for each trunking system. Software/Key package discount has been applied. (See component pricing below.) 344.25 459.00 KSGPGKEY01 Grade-1 Unlimited Access Secure USB Programming Key 125.25 167.00 KSGPGKEY02 Grade-2 Limited Access Secure USB Programming Key 125.25 167.00 VSB KEY FUNCTION OR CAPABILITY GRADE-1 (BLUE) GRADE-2 (YELLOW) V V RSGORAM GENERAL SYSTEM PARAMETERS V V V V	KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) <u>Note:</u> 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be	270.00	360.00
configuration: When needed, VPN router(s) are required in addition to and in conjunction with network switch equipment. 187.50 250.00 KSGNS10008 8-Port Managed Network Switch Note: 1RU Mounting Tray (KSGUT10001) sold separately. 281.25 375.00 KSGNS10024 Rack Mounted 24-Port Managed Network Switch Note: 1RU Mounting Tray (KSGUT10001) sold separately. 281.25 375.00 INTERNAL TRUNKING AND NETWORKING OPTIONS EPL LIST KSGPG91800 Repeater Trunking Feature Note: One required for each trunking repeater. 1,125.00 1,500.00 KSGPG91810 Mouti-Site Network Grave and Secure USB Key Package (KPG-110SMK, KSGPGKEYSM) Softern Manager Software and Secure USB Key Package discount has been applied. (See component pricing below.) 437.25 583.00 KSGPGSKEYO1 Grade-1 Unlimited Access Secure USB Programming Key 125.25 167.00 KSGPGKEY01 Grade-2 Limited Access Secure USB Programming Key 125.25 167.00 KSGPGKEY02 Grade-2 Limited Access Secure USB Programming Key 125.25 167.00 KSGPGKEY03 Grade-2 Limited Access Secure USB Programming Key 25.25 167.00 KSGPGKEY02 Grade-2 Limited Access Secure USB Programming Key 25.25 167.00 VSKEr FUNCTION OR CAPABILITY GRADE-1 <td>ETHERNET S</td> <td>SWITCH & ROUTER OPTIONS</td> <td>EPL</td> <td>LIST</td>	ETHERNET S	SWITCH & ROUTER OPTIONS	EPL	LIST
KSGNS1000sNote:187.50250.00KSGNS10024Rack Mounted 24-Port Managed Network Switch281.25375.00KSGRT100044-Port Managed VPR Nouter Note:281.25375.00INTERNAL TRUNKING AND NETWORKING OPTIONSEPLLISTKSGPG91800Repeater Trunking Feature required for each trunking repeater.1,125.001,500.00KSGPG91810Multi-Site Networking Feature System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEYSM8,750.2511,667.00KSGPGKEYSMNote: Note:Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.)437.25583.00KSGPGKEYO1Grade-1 Unlimited Access Secure USB Programming Key125.25167.00USB KEY FUNCTION OR CAPABILITYGRADE-1 (BLUE)GRADE-1 (YELLOW)PROGRAM GENERAL SYSTEM PARAMETERS ADD / DELET / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. ASIGN OR EDIT REPEATER NETWORK IP ADDRESSESVVADD NEW REPEATER CHANNEL(S)VVVSWAP OUT SPARE REPEATERS ADD NEW REPEATER CHANNEL(S)VVEXTERNAL TRUNKING CONTROLLER OPTIONSEPLLISTKSGC452LLTR Dispatch Trunking Controller (901-9570, KSGCB32801)1,158.751,545.00KSGC459LLTR Dispatch * Interconnect Trunking Controller (905-0123, KSGCB32801)1,777.502,370.00	configuration. When ne	eded, VPN router(s) are required in addition to and in conjunction with network switch equipment.		
KSGNS10024Rack Mounted 24-Port Managed Network Switch281.25375.00KSGRT100044-Port Managed VPN Router Note: RU Mounting Tray (KSGUT10001) sold separately.281.25375.00INTERNAL TRUNKING AND NETWORKING OPTIONSEPLLISTKSGPG91800Repeater Trunking Feature Note: One Feature required for each trunking repeater.1,125.001,500.00KSGPG91810Multi-Site Networking Feature Note: One required for each networked site System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEYSM8,750.2511,667.00KSGPGKEYSMKSGPGKEYO1) Note: One required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.)344.25583.00KPG-110SMKGrade-1 Unlimited Access Secure USB Programming Key125.25167.00KSGPGKEYO2Grade-1 Unlimited Access Secure USB Programming Key125.25167.00USB KEY FUNCTION OR CAPABILITYGRADE-1 (BLUE) (YELLOW)GRADE-2 (YELLOW)PROGRAM GENERAL SYSTEM PARAMETERS ADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. ASSIGN OR EDIT REPEATER NETWORK IP ADDRESSESVVADD NEW REPEATER CHANNEL(S) SWAP OUT SPARE REPEATERS CONSTRUCT OR ADD NEW SITESVVVKSGC4521LTR Dispatch Trunking Controller (901-9570, KSGCB32801)1,158.751,545.00KSGC459LLTR Dispatch Trunking Controller (905-0123, KSGCB32801)1,777.502,370.00	KSGNS10008	5	187.50	250.00
KSGRT100044-Port Managed VPN Router Note: TRU Mounting Tray (KSGUT10001) sold separately.281.25375.00INTERNAL TRUNKING AND NETWORKING OPTIONSEPLLISTKSGPG91800Repeater Trunking Feature Note: One Feature required for each trunking repeater.1,125.001,500.00KSGPG91810Multi-Site Networking Feature System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEYSM)8,750.2511,667.00KSGPGKEYSMMote: One required for each trunking system. Software/Key package discount has been applied. (See component pricing below.) System Manager Trunking Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key.344.25459.00KSGPGKEY01Grade-1 Unlimited Access Secure USB Programming Key125.25167.00KSGPGKEY02Grade-2 Limited Access Secure USB Programming Key125.25167.00USB KEY FUNCTION OR CAPABILITYGRADE-1 (BLUE)GRADE-2 (WLUE)PROGRAM GENERAL SYSTEM PARAMETERS 	KSGNS10024		281.25	375.00
INTERNAL TRUNKING AND NETWORKING OPTIONSEPLLISTKSGPG91800Repeater Trunking Feature Note: One Feature required for each trunking repeater.1,125.001,500.00KSGPG91810Multi-Site Networking Feature System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEYSM)8,750.2511,667.00KSGPGKEYSMSystem Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEYO1)437.25583.00Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.)344.25459.00KSGPGKEY01System Manager Trunking Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key.344.25459.00KSGPGKEY02Grade-1 Unlimited Access Secure USB Programming Key125.25167.00USB KEY FUNCTION OR CAPABILITYGRADE-1 (RLUE) (YELLOW)GRADE-1 (VVPROGRAM GENERAL SYSTEM PARAMETERS ADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. ASSIGN OR EDIT REPEATER NETWORK IP ADDRESSES ADD NEW REPEATER CHANNEL(S) SWAP OUT SPARE REPEATERS CONSTRUCT OR ADD NEW SITESVVEXTERNAL TRUNKING CONTROLLER OPTIONSEPL LISTLIST LISTKSGC452LLTR Dispatch Trunking Controller (901-9570, KSGCB32801)1,158.751,545.00KSGC459LLTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)1,777.502,370.00				
KSGPG91800Repeater Trunking Feature Note: One Feature required for each trunking repeater.1,125.001,500.00KSGPG91810Multi-Site Networking Feature System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEYSM)8,750.2511,667.00KSGPGKEYSMKSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.)437.25583.00KPG-110SMKNote: Additional Programming Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key.344.25459.00KSGPGKEY02Grade-1 Unlimited Access Secure USB Programming Key125.25167.00USB KEY FUNCTION OR CAPABILITYGRADE-1 (BLUE)GRADE-1 (YELLOW)PROGRAM GENERAL SYSTEM PARAMETERS ADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. ASSIGN OR EDIT REPEATER NETWORK IP ADDRESSES ADD NEW REPEATER CHANNEL(S)VVSWAP OUT SPARE REPEATERS CONSTRUCT OR ADD NEW SITESVVVKSGC452LLTR Dispatch Trunking Controller (901-9570, KSGCB32801)1,158.751,545.00KSGC459LLTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)1,777.502,370.00			-	
Note:Other Patture function of the data to thinking repeated.KSGPG91810Note::One required for each networking frequentNote::One required for each networking frequent8,750.25System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEYSM)KSGPGKEY01)Note::Only required when used as a trunking system. Software/Key package discount has been aaplied. (See component pricing below.)437.25System Manager Trunking Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key.344.25KSGPGKEY01Grade-1 Unlimited Access Secure USB Programming Key125.25IGFADEGRADE-1 (FELLOW)VSGPGKEY02Grade-2 Limited Access Secure USB Programming Key125.25USB KEY FUNCTION OR CAPABILITYGRADE-1 (FELLOW)PROGRAM GENERAL SYSTEM PARAMETERS ADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. ASSIGN OR EDIT REPEATER NETWORK IP ADDRESSESVADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. ASSIGN OR EDIT REPEATER NETWORK IP ADDRESSESVADD NEW REPEATER CHANNEL(S) SWAP OUT SPARE REPEATERS CONSTRUCT OR ADD NEW SITESVEXTERNAL TRUNKING CONTROLLER OPTIONS KSGC452L LTR Dispatch Trunking Controller (901-9570, KSGCB32801)1,158.75KSGC459L LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)1,777.502,370.00				
Note: Other Required with each intervoluted after System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEYSM) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.)437.25583.00KPG-110SMKNote: Additional Programming Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key344.25459.00KSGPGKEY01Grade-1 Unlimited Access Secure USB Programming Key125.25167.00KSGPGKEY02Grade-2 Limited Access Secure USB Programming Key125.25167.00USB KEY FUNCTION OR CAPABILITYGRADE-1 (BLUE)(RADE-2 (YELLOW))PROGRAM GENERAL SYSTEM PARAMETERS ADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. ASSIGN OR EDIT REPEATER NETWORK IP ADDRESSES ADD NEW REPEATER CHANNEL(S)VVWAP OUT SPARE REPEATERS CONSTRUCT OR ADD NEW SITESVVVKSGC452LLTR Dispatch Trunking Controller (901-9570, KSGCB32801)1,158.751,545.00KSGC459LLTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)1,777.502,370.00		Repeater Trunking Feature	_	
KSGPGKEYSMKSGPGKEY01) Note: Applied. (See component pricing below.)437.25583.00System Manager Trunking Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key344.25459.00KSGPGKEY01Grade-1 Unlimited Access Secure USB Programming Key125.25167.00KSGPGKEY02Grade-2 Limited Access Secure USB Programming Key125.25167.00USB KEY FUNCTION OR CAPABILITYGRADE-1 (BLUE)GRADE-2 (YELLOW)GRADE-2 (YELLOW)PROGRAM GENERAL SYSTEM PARAMETERSVVADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.VVASSIGN OR EDIT REPEATER NETWORK IP ADDRESSESVVADD NEW REPEATER CHANNEL(S)VVSWAP OUT SPARE REPEATERS CONSTRUCT OR ADD NEW SITESVVKSGC452LLTR Dispatch Trunking Controller (901-9570, KSGCB32801)1,158.751,545.00KSGC459LLTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)1,777.502,370.00	KSGPG91800	Repeater Trunking Feature <u>Note</u> : One Feature required for each trunking repeater.	1,125.00	1,500.00
KPG-110SMKNote: Additional Programming Software (One copy included with KSGPGKEYSM) cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key344.25459.00KSGPGKEY01Grade-1 Unlimited Access Secure USB Programming Key125.25167.00KSGPGKEY02Grade-2 Limited Access Secure USB Programming Key125.25167.00USB KEY FUNCTION OR CAPABILITYGRADE-1 (BLUE)GRADE-2 (YELLOW)GRADE-2 (YELLOW)PROGRAM GENERAL SYSTEM PARAMETERSVVADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.VVASSIGN OR EDIT REPEATER NETWORK IP ADDRESSESVVADD NEW REPEATER CHANNEL(S)VVSWAP OUT SPARE REPEATERS CONSTRUCT OR ADD NEW SITESVVEXTERNAL TRUNKING CONTROLLER OPTIONSEPLLISTKSGC452LLTR Dispatch Trunking Controller (901-9570, KSGCB32801)1,158.751,545.00KSGC459LLTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)1,777.502,370.00	KSGPG91800	Repeater Trunking Feature <u>Note</u> : One Feature required for each trunking repeater. Multi-Site Networking Feature Note: One required for each networked site	1,125.00	1,500.00
KSGPGKEY02Grade-2 Limited Access Secure USB Programming Key125.25167.00USB KEY FUNCTION OR CAPABILITYGRADE-1 (BLUE)GRADE-2 (YELLOW)PROGRAM GENERAL SYSTEM PARAMETERSVVADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.VVASSIGN OR EDIT REPEATER NETWORK IP ADDRESSESVVADD NEW REPEATER CHANNEL(S)VVSWAP OUT SPARE REPEATERSVVCONSTRUCT OR ADD NEW SITESVVEXTERNAL TRUNKING CONTROLLER OPTIONSEPLLISTKSGC452LLTR Dispatch Trunking Controller (901-9570, KSGCB32801)1,158.751,545.00KSGC459LLTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)1,777.502,370.00	KSGPG91800 KSGPG91810	Repeater Trunking Feature Note: One Feature required for each trunking repeater. Multi-Site Networking Feature Note: One required for each networked site System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been	1,125.00 8,750.25	1,500.00 11,667.00
USB KEY FUNCTION OR CAPABILITYGRADE-1 (BLUE)GRADE-2 (YELLOW)PROGRAM GENERAL SYSTEM PARAMETERSVVADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.VVASSIGN OR EDIT REPEATER NETWORK IP ADDRESSESVVADD NEW REPEATER CHANNEL(S)VVSWAP OUT SPARE REPEATERSVVCONSTRUCT OR ADD NEW SITESVIEXTERNAL TRUNKING CONTROLLER OPTIONSEPLLISTKSGC452LLTR Dispatch Trunking Controller (901-9570, KSGCB32801)1,158.751,545.00KSGC459LLTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)1,777.502,370.00	KSGPG91800 KSGPG91810 KSGPGKEYSM	Repeater Trunking Feature Note: One Feature required for each trunking repeater. Multi-Site Networking Feature Note: One required for each networked site System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.) System Manager Trunking Software Note: Additional Programming Software (One copy included with KSGPGKEYSM) Software	1,125.00 8,750.25 437.25	1,500.00 11,667.00 583.00
USB KEY FONCTION OR CAPABILITY(BLUE)(YELLOW)PROGRAM GENERAL SYSTEM PARAMETERSVVVADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.VVVASSIGN OR EDIT REPEATER NETWORK IP ADDRESSESVVVADD NEW REPEATER CHANNEL(S)VVVSWAP OUT SPARE REPEATERSVVVCONSTRUCT OR ADD NEW SITESVVVEXTERNAL TRUNKING CONTROLLER OPTIONSEPLLISTKSGC452LLTR Dispatch Trunking Controller (901-9570, KSGCB32801)1,158.751,545.00KSGC459LLTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)1,777.502,370.00	KSGPG91800 KSGPG91810 KSGPGKEYSM KPG-110SMK	Note: One Feature required for each trunking repeater. Multi-Site Networking Feature	1,125.00 8,750.25 437.25 344.25	1,500.00 11,667.00 583.00 459.00
PROGRAM GENERAL SYSTEM PARAMETERSVVADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.VVASSIGN OR EDIT REPEATER NETWORK IP ADDRESSESVVADD NEW REPEATER CHANNEL(S)VVSWAP OUT SPARE REPEATERSVVCONSTRUCT OR ADD NEW SITESVV EXTERNAL TRUNKING CONTROLLER OPTIONSEPLLIST KSGC452LLTR Dispatch Trunking Controller (901-9570, KSGCB32801)1,158.751,545.00KSGC459LLTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)1,777.502,370.00	KSGPG91800 KSGPG91810 KSGPGKEYSM KPG-110SMK KSGPGKEY01	Repeater Trunking Feature Note: One Feature required for each trunking repeater. Multi-Site Networking Feature Note: One required for each networked site System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.) System Manager Trunking Software Note: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key Grade-1 Unlimited Access Secure USB Programming Key	1,125.00 8,750.25 437.25 344.25 125.25	1,500.00 11,667.00 583.00 459.00 167.00
ADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.VVASSIGN OR EDIT REPEATER NETWORK IP ADDRESSESVADD NEW REPEATER CHANNEL(S)VSWAP OUT SPARE REPEATERSVCONSTRUCT OR ADD NEW SITESV EXTERNAL TRUNKING CONTROLLER OPTIONSEPLLIST KSGC452LLTR Dispatch Trunking Controller (901-9570, KSGCB32801)1,158.751,545.00KSGC459LLTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)1,777.502,370.00	KSGPG91800 KSGPG91810 KSGPGKEYSM KPG-110SMK KSGPGKEY01 KSGPGKEY02	Repeater Trunking Feature Note: One Feature required for each trunking repeater. Multi-Site Networking Feature Note: One required for each networked site System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.) System Manager Trunking Software Note: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key Grade-1 Unlimited Access Secure USB Programming Key	1,125.00 8,750.25 437.25 344.25 125.25 125.25 GRADE-1	1,500.00 11,667.00 583.00 459.00 167.00 167.00 GRADE-2
ASSIGN OR EDIT REPEATER NETWORK IP ADDRESSES ADD NEW REPEATER CHANNEL(S) SWAP OUT SPARE REPEATERS CONSTRUCT OR ADD NEW SITES Image: style="text-align: center;">Image: style="text-align: center;">	KSGPG91800 KSGPG91810 KSGPGKEYSM KPG-110SMK KSGPGKEY01 KSGPGKEY02 USB KEY FUNCTIO	Repeater Trunking Feature Note: One Feature required for each trunking repeater. Multi-Site Networking Feature Note: One required for each networked site System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.) System Manager Trunking Software Note: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key Grade-1 Unlimited Access Secure USB Programming Key Grade-2 Limited Access Secure USB Programming Key N OR CAPABILITY N	1,125.00 8,750.25 437.25 344.25 125.25 125.25 GRADE-1 (BLUE)	1,500.00 11,667.00 583.00 459.00 167.00 GRADE-2 (YELLOW)
SWAP OUT SPARE REPEATERSVCONSTRUCT OR ADD NEW SITESVEXTERNAL TRUNKING CONTROLLER OPTIONSEPLKSGC452LLTR Dispatch Trunking Controller (901-9570, KSGCB32801)1,158.75KSGC459LLTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)1,777.502,370.00	KSGPG91800 KSGPG91810 KSGPGKEYSM KPG-110SMK KSGPGKEY01 KSGPGKEY02 USB KEY FUNCTIO PROGRAM GENER	Repeater Trunking Feature Note: One Feature required for each trunking repeater. Multi-Site Networking Feature Note: One required for each networked site System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.) System Manager Trunking Software Note: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key Grade-1 Unlimited Access Secure USB Programming Key N OR CAPABILITY AL SYSTEM PARAMETERS	1,125.00 8,750.25 437.25 344.25 125.25 125.25 GRADE-1 (BLUE) V	1,500.00 11,667.00 583.00 459.00 167.00 167.00 GRADE-2 (YELLOW) √
CONSTRUCT OR ADD NEW SITESVEXTERNAL TRUNKING CONTROLLER OPTIONSEPLKSGC452LLTR Dispatch Trunking Controller (901-9570, KSGCB32801)1,158.75KSGC459LLTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)1,777.502,370.00	KSGPG91800 KSGPG91810 KSGPGKEYSM KPG-110SMK KSGPGKEY01 KSGPGKEY02 USB KEY FUNCTIO PROGRAM GENER ADD / DELETE / ED	Repeater Trunking Feature Note: One Feature required for each trunking repeater. Multi-Site Networking Feature Note: One required for each networked site System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.) System Manager Trunking Software Note: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key Grade-1 Unlimited Access Secure USB Programming Key Grade-2 Limited Access Secure USB Programming Key N OR CAPABILITY AL SYSTEM PARAMETERS IT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.	1,125.00 8,750.25 437.25 344.25 125.25 125.25 GRADE-1 (BLUE) v v	1,500.00 11,667.00 583.00 459.00 167.00 167.00 GRADE-2 (YELLOW) √
CONSTRUCT OR ADD NEW SITESVEXTERNAL TRUNKING CONTROLLER OPTIONSEPLKSGC452LLTR Dispatch Trunking Controller (901-9570, KSGCB32801)1,158.75KSGC459LLTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)1,777.502,370.00	KSGPG91800 KSGPG91810 KSGPGKEYSM KPG-110SMK KSGPGKEY01 KSGPGKEY02 USB KEY FUNCTIO PROGRAM GENER ADD / DELETE / ED ASSIGN OR EDIT R	Repeater Trunking Feature Note: One Feature required for each trunking repeater. Multi-Site Networking Feature Note: One required for each networked site System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.) System Manager Trunking Software Note: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key Grade-1 Unlimited Access Secure USB Programming Key N OR CAPABILITY AL SYSTEM PARAMETERS IT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES	1,125.00 8,750.25 437.25 344.25 125.25 125.25 GRADE-1 (BLUE) V V V	1,500.00 11,667.00 583.00 459.00 167.00 167.00 GRADE-2 (YELLOW) √
KSGC452L LTR Dispatch Trunking Controller (901-9570, KSGCB32801) 1,158.75 1,545.00 KSGC459L LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801) 1,777.50 2,370.00	KSGPG91800 KSGPG91810 KSGPGKEYSM KPG-110SMK KSGPGKEY01 KSGPGKEY02 USB KEY FUNCTIO PROGRAM GENER ADD / DELETE / ED ASSIGN OR EDIT R ADD NEW REPEAT	Repeater Trunking Feature Note: One Feature required for each trunking repeater. Multi-Site Networking Feature Note: One required for each networked site System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.) System Manager Trunking Software Note: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key Grade-1 Unlimited Access Secure USB Programming Key Grade-2 Limited Access Secure USB Programming Key N OR CAPABILITY AL SYSTEM PARAMETERS IT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES ER CHANNEL(S)	1,125.00 8,750.25 437.25 344.25 125.25 125.25 GRADE-1 (BLUE) V V V V V	1,500.00 11,667.00 583.00 459.00 167.00 167.00 GRADE-2 (YELLOW) √
KSGC452L LTR Dispatch Trunking Controller (901-9570, KSGCB32801) 1,158.75 1,545.00 KSGC459L LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801) 1,777.50 2,370.00	KSGPG91800 KSGPG91810 KSGPGKEYSM KPG-110SMK KSGPGKEY01 KSGPGKEY02 USB KEY FUNCTIO PROGRAM GENER ADD / DELETE / ED ASSIGN OR EDIT R ADD NEW REPEAT SWAP OUT SPARE	Repeater Trunking Feature Note: One Feature required for each trunking repeater. Multi-Site Networking Feature Note: One required for each networked site System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.) System Manager Trunking Software Note: Note: Additional Programming Software Note: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key Grade-1 Unlimited Access Secure USB Programming Key Grade-2 Limited Access Secure USB Programming Key N OR CAPABILITY AL SYSTEM PARAMETERS IT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES ER CHANNEL(S) REPEATERS REPEATERS	1,125.00 8,750.25 437.25 344.25 125.25 125.25 GRADE-1 (BLUE) V V V V V V	1,500.00 11,667.00 583.00 459.00 167.00 167.00 GRADE-2 (YELLOW) √
KSGC459L LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801) 1,777.50 2,370.00	KSGPG91800 KSGPG91810 KSGPGKEYSM KPG-110SMK KSGPGKEY01 KSGPGKEY02 USB KEY FUNCTIO PROGRAM GENER ADD / DELETE / ED ASSIGN OR EDIT R ADD NEW REPEAT SWAP OUT SPARE CONSTRUCT OR A	Repeater Trunking Feature Note: One Feature required for each trunking repeater. Multi-Site Networking Feature Note: One required for each networked site System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.) System Manager Trunking Software Note: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key Grade-1 Unlimited Access Secure USB Programming Key Grade-2 Limited Access Secure USB Programming Key N OR CAPABILITY AL SYSTEM PARAMETERS IT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES ER CHANNEL(S) REPEATERS DD NEW SITES	1,125.00 8,750.25 437.25 344.25 125.25 125.25 GRADE-1 (BLUE) V V V V V V V	1,500.00 11,667.00 583.00 459.00 167.00 GRADE-2 (YELLOW) ✓ ✓
	KSGPG91800 KSGPG91810 KSGPGKEYSM KPG-110SMK KSGPGKEY01 KSGPGKEY02 USB KEY FUNCTIO PROGRAM GENER ADD / DELETE / ED ASSIGN OR EDIT R ADD NEW REPEAT SWAP OUT SPARE CONSTRUCT OR A EXTERNAL	Repeater Trunking Feature Note: One Feature required for each trunking repeater. Multi-Site Networking Feature Note: One required for each networked site System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.) System Manager Trunking Software Note: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key Grade-1 Unlimited Access Secure USB Programming Key Grade-2 Limited Access Secure USB Programming Key N OR CAPABILITY AL SYSTEM PARAMETERS IT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES ER CHANNEL(S) REPEATERS DD NEW SITES TRUNKING CONTROLLER OPTIONS	1,125.00 8,750.25 437.25 344.25 125.25 GRADE-1 (BLUE) V V V V V V V V V	1,500.00 11,667.00 583.00 459.00 167.00 167.00 GRADE-2 (YELLOW) ✓ ✓
	KSGPG91800 KSGPG91810 KSGPGKEYSM KPG-110SMK KSGPGKEY01 KSGPGKEY01 USB KEY FUNCTIO PROGRAM GENER ADD / DELETE / ED ASSIGN OR EDIT R ADD NEW REPEAT SWAP OUT SPARE CONSTRUCT OR A EXTERNAL	Repeater Trunking Feature Note: One Feature required for each trunking repeater. Multi-Site Networking Feature Note: One required for each networked site System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.) System Manager Trunking Software Note: Note: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key Grade-1 Unlimited Access Secure USB Programming Key Grade-2 Limited Access Secure USB Programming Key N OR CAPABILITY AL SYSTEM PARAMETERS IT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT. EPEATER NETWORK IP ADDRESSES ER CHANNEL(S) REPEATERS DD NEW SITES TRUNKING CONTROLLER OPTIONS LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,125.00 8,750.25 437.25 344.25 125.25 125.25 GRADE-1 (BLUE) V V V V V V V V V V V V V V V V V V V	1,500.00 11,667.00 583.00 459.00 167.00 GRADE-2 (YELLOW) √ √ √ 1,545.00

KSGDX15044	4 Cavity 900MHz BpBr Duplexer <u>Note</u> : Bandpass/Bandreject duplexer, 250W continuous duty, minimum TX-RX 5MHz. Includes RF cables, mounting and tuning. Includes one LMR-400 interface cable.	1,743.75	2,325.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) <u>Note</u> : Modem 2400 bps to be used with LTR controllers, includes interface cable.	191.25	255.00
MISC STATIC	ON OPTIONS, CON'T	EPL	LIST
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) <u>Note</u> : Modem 2400 bps, extra stability in high RF environments, includes interface cable.	911.25	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator Note: 19" rack mount; occupies 3RU. Order Station Module Cards below.	6,000.00	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,147.50	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) <u>Note:</u> For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	663.75	885.00
COMPONENT		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,136.25	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1,755.00	2,340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1,175.00
KSGUT10001	1RU Mounting Tray <u>Note</u> : Provides mounting space for up to two accessories.	37.50	50.00

NXR-710

VHF High Performance Base Stations and Repeaters - High Band 136-174MHz



GENERAL:

- Occupies 2 RU.
- May be used as a standalone 25 W continuous or 50W intermittent duty station or in conjunction with an external power amplifier.
- Operates in analog mode at 25 KHz or 12.5 KHz, or in digital mode at 12.5 KHz or 6.25 KHz.

OPTIONS:

- External amplifiers with built-in T/R antenna switching for simplex operation.
- Wire line remote control.
- Power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications.
- High performance 6 cavity BpBr duplexer is also available.
- Multi-channel combining systems are quoted on an individual system basis
- Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks.
- Amplifier choices include 50W, 110W or 150W options.
- Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

NXR-710 REP	PEATER	EPL	LIST
NXR-710K	Repeater, Digital, VHF, 136-174MHz, 25-50W	1,612.50	2,150.00
BASIC ACCE	SSORIES	EPL	LIST
KPG-46XM	Programming Cable	118.88	158.50
KPG-129DNK	Repeater Programming Software	77.44	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	187.50	250.00
B51-8901-00	NXR-710 Service Manual	37.50	50.00
KTI-3M	Network Interface Unit - Required for Conv. IP Networking Functionality	198.75	265.00
KWD-NX10VTR	Voting System Option	375.00	500.00
RF BASE ST	ATION AMPLIFIER OPTIONS	EPL	LIST
Note: Includes Two Cabl	es for Radio Connectivity and an Internal Antenna Relay.		
KSGPA22423	136-174MHz, 3W Input, 25-50W Output	1,492.50	1,990.00
KSGPA22400	136-144MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22410	144-152MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22420	152-162MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22430	162-174MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22451	136-144MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22452	144-152MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22453	152-162MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22454	162-174MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22258	152-162MHz, 3W Input, 250W Output	3,450.00	4,600.00
KSGPA22523	136-174MHz, 25W Input, 25-50W Output	1,492.50	1,990.00
KSGPA22500	136-144MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22510	144-152MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22520	152-162MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22530	162-174MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22551	136-144MHz, 25W Input, 150W Output	2,790.00	3,720.00

KSGPS20701 KSGPS20702	Source Si (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 42" (20RU) Locking Cabinet Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required. Cabinet Solid Top Panel Cabinet Fan Top Assembly Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	1,305.00 EPL 810.00 900.00 2,006.25 1,500.00 258.75 67.50 326.25 105.00	LIST 1,080.00 1,200.00 2,675.00 2,000.00 345.00 90.00 435.00 140.00
KSGPS20701 KSGPS20702 MOUNTING C KSGMRCK3 KSGMRCK7 KSGMCAB4 KSGMT20020 KSGMT0C20U KSGMT20001	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 42" (20RU) Locking Cabinet Crate for 42" (20RU) Locking Cabinet <u>Note:</u> Optional for situations where extra protection during transportation is required. Cabinet Solid Top Panel	EPL 810.00 900.00 2,006.25 1,500.00 258.75 67.50	LIST 1,080.00 1,200.00 2,675.00 2,000.00 345.00 90.00
KSGPS20701 KSGPS20702 MOUNTING C KSGMRCK3 KSGMRCK7 KSGMCAB4 KSGMT20020 KSGMT0C20U	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 42" (20RU) Locking Cabinet Crate for 42" (20RU) Locking Cabinet <u>Note:</u> Optional for situations where extra protection during transportation is required.	EPL 810.00 900.00 2,006.25 1,500.00 258.75	<i>LIST</i> 1,080.00 1,200.00 2,675.00 2,000.00 345.00
KSGPS20701 KSGPS20702 MOUNTING C KSGMRCK3 KSGMRCK7 KSGMCAB4 KSGMT20020	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 42" (20RU) Locking Cabinet Crate for 42" (20RU) Locking Cabinet	EPL 810.00 900.00 2,006.25 1,500.00	LIST 1,080.00 1,200.00 2,675.00 2,000.00
KSGPS20701 KSGPS20702 MOUNTING C KSGMRCK3 KSGMRCK7 KSGMCAB4	 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 	EPL 810.00 900.00 2,006.25	<i>LIST</i> 1,080.00 1,200.00 2,675.00
KSGPS20701 KSGPS20702 MOUNTING C KSGMRCK3 KSGMRCK7	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	EPL 810.00 900.00	<i>LIST</i> 1,080.00 1,200.00
KSGPS20701 KSGPS20702 MOUNTING C KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	EPL 810.00	<i>LIST</i> 1,080.00
KSGPS20701 KSGPS20702 MOUNTING C		EPL	LIST
KSGPS20701 KSGPS20702	ONFIGURATIONS		
KSGPS20701		<u>1,305</u> .00	1,740.00
	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger		1,740.00
NJUF J203J2	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger <u>Note</u> : Incompatible with 150W or 250W amplifier option.	1,016.25	1,355.00
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply <u>Note</u> : Incompatible with 150W or 250W amplifier option.	356.25	475.00
POWER SUPP	PLY OPTIONS	EPL	LIST
KSGPA22544	162-174MHz, 25W Input, 150W Output	2,295.00	3,060.00
KSGPA22543	152-162MHz, 25W Input, 150W Output	2,295.00	3,060.00
KSGPA22542	144-152MHz, 25W Input, 150W Output	2,295.00	3,060.00
KSGPA22541	136-144MHz, 25W Input, 150W Output	2,295.00	3,060.00
KSGPA22514	162-174MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22513	152-162MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22512	144-152MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22511	136-144MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22503	136-174MHz, 25W Input, 25-50W Output	1,248.75	1,665.00
KSGPA22253	152-162MHz, 3W Input, 250W Output	3,045.00	4,060.00
KSGPA22444	162-174MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22443	152-162MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22442	144-152MHz, 3W Input, 150W Output	2,295.00	3,060.00
Note: Includes One Cable	e for Radio Connectivity.		
RF REPEATE	R STATION AMPLIFIER OPTIONS, CON'T	EPL	LIST
KSGPA22441	136-144MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22414	162-174MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22413	152-162MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22412	144-152MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22411	136-144MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22403	136-174MHz, 3W Input, 25-50W Output	1,248.75	1,665.00
Note: Includes One Cable	e for Radio Connectivity.		
RF REPEATE	R STATION AMPLIFIER OPTIONS	EPL	LIST
KSGPA22554	162-174MHz, 25W Input, 150W Output	2,790.00	3,720.00
KSGPA22553	152-162MHz, 25W Input, 150W Output	2,790.00	3,720.00
KSGPA22552	144-152MHz, 25W Input, 150W Output	2,790.00	3,720.00

KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) <u>Note:</u> 2 or 4 wire, 600-Ohm balanced audio with monitor.	491.25	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) <u>Note:</u> 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	502.50	670.00
KSGTN10A	10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	690.00	920.00
KSGTM20016	16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	711.56	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) <u>Note:</u> 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	307.50	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) <u>Note:</u> 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	705.00	940.00
ETHERNET S	SWITCH & ROUTER OPTIONS	EPL	LIST
	uired for each site; VPN router(s) may be required for multi-site systems depending on desired eded, VPN router(s) are required in addition to and in conjunction with network switch equipment. are also available.		
KSGNS10008	8-Port Managed Network Switch Note: 1RU Mounting Tray (KSGUT10001) sold separately.	187.50	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	281.25	375.00
KSGRT10004	4-Port Managed VPN Router Note: 1RU Mounting Tray (KSGUT10001) sold separately.	281.25	375.00
TYPE-D TRU	NKING OPTIONS	EPL	LIST
KWD-10DTR	<u>Type-D Single Site</u> Repeater Trunking Feature <u>Note</u> : One Feature required for each trunking repeater. Only 6.25kHz operation is available in Type-D Single Site Trunking.	187.50	250.00
KTI-5M	Network Adapter Device- Required for Type-D Trunking Web Access <u>Note:</u> For field upgrade, please download KPG-1006DNA from TOOLS and install to your KTI-5M. (Installation Manual is included.)	324.00	432.00
L-1794	Instilation KPG-1006DNA Firmware for KTI-5M at Factory.	N/C	N/0
EXTERNAL 1	RUNKING CONTROLLER OPTIONS		-
	KUNNING CONTROLLER OF HONS	EPL	LIST
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)		
KSGC452L			1,545.00
KSGC452L KSGC459L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801) LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	1,158.75	1,545.00 2,370.00
KSGC452L KSGC459L MISC STATIC	LTR Dispatch Trunking Controller (901-9570, KSGCB32801) LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801) ON OPTIONS 6 Cavity VHF BpBr Duplexer <u>Note</u> : Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz.	1,158.75 1,777.50	1,545.00 2,370.00 <i>LIST</i>
	LTR Dispatch Trunking Controller (901-9570, KSGCB32801) LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801) DN OPTIONS 6 Cavity VHF BpBr Duplexer	1,158.75 1,777.50 EPL	1,545.00 2,370.00 <i>LIST</i> 3,095.00
KSGC452L KSGC459L <i>MISC STATIC</i> KSGDX12556 KSGOMOD1	LTR Dispatch Trunking Controller (901-9570, KSGCB32801) LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801) ON OPTIONS 6 Cavity VHF BpBr Duplexer Note: Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable. Basic Site Management Modem (KSGMD10001, KSGCB22154)	1,158.75 1,777.50 <i>EPL</i> 2,321.25	1,545.00 2,370.00 <i>LIST</i> 3,095.00 255.00
KSGC452L KSGC459L <i>MISC STATIC</i> KSGDX12556 KSGOMOD1 KSGOMOD2	LTR Dispatch Trunking Controller (901-9570, KSGCB32801) LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801) ON OPTIONS 6 Cavity VHF BpBr Duplexer Note: Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable. Basic Site Management Modem (KSGMD10001, KSGCB22154) Note: Modem 2400 bps to be used with LTR controllers, includes interface cable. High Performance Site Management Modem (KSGMD20000, KSGCB22154)	1,158.75 1,777.50 EPL 2,321.25 191.25	1,545.00 2,370.00 <i>LIST</i> 3,095.00 255.00 1,215.00
KSGC452L KSGC459L MISC STATIC KSGDX12556 KSGOMOD1 KSGOMOD2 KSGSNV12	LTR Dispatch Trunking Controller (901-9570, KSGCB32801) LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801) ON OPTIONS 6 Cavity VHF BpBr Duplexer Note: Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable. Basic Site Management Modem (KSGMD10001, KSGCB22154) Note: Modem 2400 bps to be used with LTR controllers, includes interface cable. High Performance Site Management Modem (KSGMD20000, KSGCB22154) Note: Modem 2400 bps, extra stability in high RF environments, includes interface cable. Signal-to-Noise Modular Voting Comparator	1,158.75 1,777.50 EPL 2,321.25 191.25 911.25	1,545.00 2,370.00 <i>LIST</i> 3,095.00 255.00 1,215.00 8,000.00
KSGC452L KSGC459L <i>MISC STATIC</i> KSGDX12556	LTR Dispatch Trunking Controller (901-9570, KSGCB32801) LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801) ON OPTIONS 6 Cavity VHF BpBr Duplexer Note: Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable. Basic Site Management Modem (KSGMD10001, KSGCB22154) Note: Modem 2400 bps to be used with LTR controllers, includes interface cable. High Performance Site Management Modem (KSGMD20000, KSGCB22154) Note: Modem 2400 bps, extra stability in high RF environments, includes interface cable. Signal-to-Noise Modular Voting Comparator Note: 19" rack mount; occupies 3RU. Order Station Module Cards below.	1,158.75 1,777.50 EPL 2,321.25 191.25 911.25 6,000.00	LIST 1,545.00 2,370.00 LIST 3,095.00 255.00 1,215.00 8,000.00 1,530.00 885.00

K3GIVI310010	Relay, Antenna, XTO Series, 5000	255.00	540.00
COMPONENT	rs	EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00

KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10010	Panel, Tone Term, 10 ch., with case, full dup, 2 or 4 wire, w/mon	615.00	820.00
KSGBCDCASE	Case, Tone Term Panel	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,136.25	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1,755.00	2,340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1,175.00
KSGUT10001	1RU Mounting Tray <u>Note</u> : Provides mounting space for up to two accessories.	37.50	50.00

NXR-810

UHF Base Stations and Repeaters - 400-520 MHz



GENERAL:

- Integrated Systems
- Occupies 2 RU
- May be used as a standalone 25 W continuous or 40W intermittent duty station or in conjunction with an external power amplifier.
- Operates in analog mode at 25 KHz or 12.5 KHz, or in digital mode at 12.5 KHz or 6.25 KHz.

OPTIONS:

- External amplifiers with built-in T/R antenna switching for simplex operation
- Wire line remote control.
- Power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications.
- High performance 4 and 6 cavity BpBr duplexer are also available.
- Multi-channel combining systems are quoted on an individual system basis
- Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks.
- Amplifier choices include 40W, 100W or 150W options.
- Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

NXR-810 REP	PEATER	EPL	LIST
NXR-810K	Repeater, Digital, UHF, 450-520MHz, 1-40W	1,612.50	2,150.00
NXR-810K2	Repeater, Digital, UHF, 400-470MHz, 1-40W	1,612.50	2,150.00
BASIC ACCE	SSORIES	EPL	LIST
KPG-46XM	Programming Cable	118.88	158.50
KPG-129DNK	Repeater Programming Software	77.44	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	187.50	250.00
B51-8902-00	NXR-810 Service Manual	37.50	50.00
KTI-3M	Network Interface Unit - Required for Conv. IP Networking Functionality	198.75	265.00
KWD-NX10VTR	Voting System Option	375.00	500.00
	ATION AMPLIFIER OPTIONS	EPL	LIST
	es for Radio Connectivity.		
KSGPA23421	406-450MHz, 3W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23423	450-512MHz, 3W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23400	406-450MHz, 3W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23420	450-512MHz, 3W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23451	406-450MHz, 3W Input, 150W Output	3,420.00	4,560.00
KSGPA23453	450-512MHz, 3W Input, 150W Output	3,420.00	4,560.00
KSGPA23521	406-450MHz, 25W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23523	450-512MHz, 25W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23500	406-450MHz, 25W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23520	450-512MHz, 25W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23551	406-450MHz, 25W Input, 150W Output	3,420.00	4,560.00
KSGPA23553	450-512MHz, 25W Input, 150W Output	3,420.00	4,560.00
RF REPEATE	R STATION AMPLIFIER OPTIONS	EPL	LIST
Note: Includes One Cabl	e for Radio Connectivity.		
KSGPA23401	406-450MHz, 3W Input, 20-40W Output	1,248.75	1,665.00

KSGPA23413 450-512MHz, 3W Input, 50-100W Output 1,620.00 2,165.00 KSGPA23441 406-450MHz, 3W Input, 150W Output 2,955.00 3,940.00 KSGPA23443 450-512MHz, 3W Input, 150W Output 2,955.00 3,940.00 KSGPA23443 450-512MHz, 3W Input, 150W Output 1,248.75 1,665.00 KSGPA23501 406-450MHz, 25W Input, 20-40W Output 1,248.75 1,665.00 KSGPA23511 406-450MHz, 25W Input, 50-100W Output 1,620.00 2,165.00 KSGPA23513 450-512MHz, 25W Input, 50-100W Output 1,620.00 2,165.00 KSGPA23513 450-512MHz, 25W Input, 50-100W Output 1,620.00 2,165.00 RF REPEATER STATION AMPLIFIER OPTIONS, CON'T EPL LIST Note: Includes One Cable for Radio Connectivity. 2,955.00 3,940.00 KSGPA23541 406-450MHz, 25W Input, 150W Output 2,955.00 3,940.00 KSGPA23543 450-512MHz, 25W Input, 150W Output 2,955.00 3,940.00 KSGPS20400 Mote: Incompatible with 150W amplifier option. 356.25 475.00 KSGPS20701 70A, 13.8VDC, 19'' Wide Rack-Mounted Power Supply with				
KSGPA23413 450-512MHz, 3W Input, 50-100W Output 1,620.00 2,165.00 KSGPA23441 460-450MHz, 3W Input, 150W Output 2,955.00 3,940.00 KSGPA23501 460-450MHz, 2W Input, 20-40W Output 1,248.75 1,665.00 KSGPA23501 460-650MHz, 28W Input, 20-40W Output 1,248.75 1,665.00 KSGPA23501 460-650MHz, 28W Input, 20-40W Output 1,620.00 2,165.00 KSGPA23511 460-650MHz, 28W Input, 50-100W Output 1,620.00 2,165.00 KSGPA23513 460-650MHz, 28W Input, 50-100W Output 1,620.00 2,165.00 KSGPA23541 460-650MHz, 28W Input, 150W Output 2,955.00 3,940.00 KSGPA23541 460-650MHz, 28W Input, 150W Output 2,955.00 3,940.00 KSGPA23543 460-650MHz, 28W Input, 150W Output 2,955.00 3,940.00 KSGPA23541 460-650MHz, 28W Input, 150W Output 2,955.00 3,940.00 KSGPA23541 460-650MHz, 28W Input, 150W Output 2,955.00 3,940.00 KSGPA20400 440.138/DC, 19' Wide Rack-Mounted Power Supply 356.25 475.00 KSGPA20702 70A.138/DC,	KSGPA23403	450-512MHz, 3W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23441 406-460MHz, 3W Input, 150W Output 2,955.00 3,940.00 KSGPA2343 406-450MHz, 3W Input, 20-40W Output 2,955.00 3,940.00 KSGPA23501 406-450MHz, 25W Input, 20-40W Output 1,248.75 1,665.00 KSGPA23511 406-450MHz, 25W Input, 20-40W Output 1,620.00 2,165.00 KSGPA23511 406-450MHz, 25W Input, 50-10W Output 1,620.00 2,165.00 KSGPA23513 450-512MHz, 25W Input, 50-10W Output 1,620.00 2,165.00 KSGPA23541 450-512MHz, 25W Input, 50W Output 2,955.00 3,940.00 KSGPA23541 450-512MHz, 25W Input, 150W Output 2,955.00 3,940.00 KSGPA23541 450-512MHz, 25W Input, 150W Output 2,955.00 3,940.00 KSGPA23542 450-512MHz, 25W Input, 150W Output 2,955.00 3,940.00 KSGPA2040 400,138/DC, 19' Wide Rack-Mounted Power Supply 356.25 475.00 KSGPA20352 353,134/DC, 19' Wide Rack-Mounted Power Supply 1,016.25 1,355.00 KSGPS20701 70A, 138/DC, 19' Wide Rack-Mounted Power Supply 1,016.25 1,355.00 KSGPS20702	KSGPA23411	406-450MHz, 3W Input, 50-100W Output	1,620.00	2,165.00
KSGPA23443 450-512MHz, 3W Input, 150W Output 2,955.00 3,940.00 KSGPA23501 460-450MHz, 25W Input, 20-40W Output 1,248.75 1,665.00 KSGPA23511 460-450MHz, 25W Input, 50-100W Output 1,620.00 2,165.00 KSGPA23513 460-512MHz, 25W Input, 50-100W Output 1,620.00 2,165.00 RF REPEATER STATION AMPLIFIER OPTIONS, CONT EPL LIST KSGPA23543 406-450MHz, 25W Input, 150W Output 2,955.00 3,940.00 KSGPA23543 406-450MHz, 25W Input, 150W Output 2,955.00 3,940.00 KSGPA23543 406-450MHz, 25W Input, 150W Output 2,955.00 3,940.00 KSGPA23543 406-512MHz, 25W Input, 150W Output 2,955.00 3,940.00 KSGPA23543 406-512MHz, 25W Input, 150W Output 2,955.00 3,940.00 KSGP220101 70A.13.8/DC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,016.25 1,355.00 KSGPS20702 70A.13.8/DC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,305.00 1,740.00 KSGMRCK3 3' (17RU) Auminum Equipment Rack with Grate (KSGMT13000, KSGMT0C03R) 810.00 1,080.00	KSGPA23413	450-512MHz, 3W Input, 50-100W Output	1,620.00	2,165.00
KSGPA23501 406-450MHz, 25W Input, 20-40W Output 1,248.75 1,665.00 KSGPA23503 460-512MHz, 25W Input, 20-40W Output 1,620.00 2,165.00 KSGPA23513 450-512MHz, 25W Input, 50-100W Output 1,620.00 2,165.00 REFERENTIATION AMPLIFIER OPTIONS, CON'T EPL LIST Note: Includes One Cable for Radio Connectivity. 2,955.00 3,940.00 KSGPA23543 450-512MHz, 25W Input, 150W Output 2,955.00 3,940.00 KSGPA23543 450-512MHz, 25W Input, 150W Output 2,955.00 3,940.00 KSGPA23543 450-512MHz, 25W Input, 150W Output 2,955.00 3,940.00 KSGPA2352 400,130VC, 19' Wide Rack-Mounted Power Supply 356.25 475.00 KSGPS20702 70A, 13.8VCC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,016.25 1,355.00 KSGPS20702 70A, 13.8VCC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,030.00 1,080.00 KSGPA20702 70A, 13.8VCC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,305.00 1,740.00 KSGPA20702 70A, 13.8VCC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,305.00 1,200.00 </td <td>KSGPA23441</td> <td>406-450MHz, 3W Input, 150W Output</td> <td>2,955.00</td> <td>3,940.00</td>	KSGPA23441	406-450MHz, 3W Input, 150W Output	2,955.00	3,940.00
KSGPA23503 450-512MHz, 25W Input, 20-40W Output 1,248.75 1,665.00 KSGPA23511 406-450MHz, 25W Input, 50-100W Output 1,620.00 2,165.00 KSGPA23513 450-512MHz, 25W Input, 50-100W Output 1,620.00 2,165.00 RF REPEATER STATION AMPLIFIER OPTIONS, CON'T EPL LIST Note includes One Cable for Radio Connectivity. 2,955.00 3,940.00 KSGPA23541 406-450MHz, 25W Input, 150W Output 2,955.00 3,940.00 POWER SUPPLY OPTIONS EPL LIST KSGPS20400 40A, 13.8VDC, 19' Wide Rack-Mounted Power Supply 356.25 475.00 KSGPS20701 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,016.25 1,335.00 KSGPS20702 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,016.25 1,335.00 KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT1000, KSGMT0C03R) 81.0.00 1,080.00 KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT1000, KSGMT0C03R) 81.0.00 1,200.00 KSGMRCX3 7' (40RU) Locking Cabinet 1,500.00 2,000.00 2,267.50 90.000	KSGPA23443	450-512MHz, 3W Input, 150W Output	2,955.00	3,940.00
KSGPA23511 406-450MHz, 25W Input, 50-100W Output 1,620.00 2,165.00 RF REPEATER STATION AMPLIFIER OPTIONS, CON'T EPL LIST Note: Industo One Cable for Radic Connectivity. 2,955.00 3,940.00 KSGPA23541 406-450MHz, 25W Input, 150W Output 2,955.00 3,940.00 POWER SUPPLY OPTIONS EPL LIST KSGPA23543 450-512MHz, 25W Input, 150W Output 2,955.00 3,940.00 POWER SUPPLY OPTIONS EPL LIST KSGPS20400 400, 138VDC, 19' Wide Rack-Mounted Power Supply 356.25 475.00 KSGPS20702 700, 138VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,016.25 1,3355.00 KSGPS20702 700, 138/VDC, 19' Wide Rack-Mounted Power Supply 1,016.25 1,355.00 KSGPS20702 700, 138/VDC, 19' Wide Rack-Mounted Power Supply 1,016.25 1,355.00 KSGMRCK3 3' (17RU) Aurninum Equipment Rack with Crate (KSGMT10000, KSGMT0C03R) 810.00 1,080.00 KSGMRCC201 7' (46RU) Locking Cabinet with Crate (KSGMT10000, KSGMT0C03R) 810.00 2,000.00 KSGMT20001 Cabinet Fan Top Assembhy 326.25	KSGPA23501	406-450MHz, 25W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23513 450-512MHz, 25W Input, 50-100W Output 1,620.00 2,165.00 RF REPEATER STATION AMPLIFIER OPTIONS, CON'T EPL LIST Note: Inclues One Cable for Addo Connectivity. 2,955.00 3,940.00 KSGPA23541 406-450MHz, 25W Input, 150W Output 2,955.00 3,940.00 POWER SUPPLY OPTIONS EPL LIST KSGPA23543 450-512MHz, 25W Input, 150W Output 2,955.00 3,940.00 POWER SUPPLY OPTIONS EPL LIST KSGP520400 Mot. Incompatible with 150W amplifer option. 356.12 475.00 KSGP520352 Mote: Incompatible with 150W amplifer option. 1,016.25 1,355.00 KSGP520701 ToA. 13.8VDC, 19' Wide Rack-Mounted Power Supply 1,016.25 1,355.00 KSGP520701 ToA. 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,305.00 1,240.00 KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT10000, KSGMT0C03R) 810.00 1,080.00 KSGMT20020 42' (20RU) Locking Cabinet 1,500.00 2,006.25 2,675.00 KSGMT20020 Crate for 42'' (20RU) Locking Cabinet 450.00<	KSGPA23503	450-512MHz, 25W Input, 20-40W Output	1,248.75	1,665.00
RF REPEATER STATION AMPLIFIER OPTIONS, CON'T EPL LIST Note: Includes One Cable for Radio Connectivity. 2,955.00 3,940.00 KSGPA23541 406-450MHz, 25W Input, 150W Output 2,955.00 3,940.00 KSGPA23543 406-450MHz, 25W Input, 150W Output 2,955.00 3,940.00 POWER SUPPLY OPTIONS EPL LIST KSGPS20352 35A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,016.25 1,355.00 KSGPS20701 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,016.25 1,355.00 KSGPS20702 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,305.00 1,740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1,080.00 KSGMCK44 7' (46RU) Locking Cabinet 1,500.00 2,000.00 KSGMT20020 42' (20RU) Locking Cabinet 1,500.00 2,000.00 KSGMT20031 Cabinet Solid Top Panel KSGTM10012, KSGTM1007CS, KSGTM20TCS, KSGTM20TCS, KSGTM2002C, Cabinet Solid Floor Panel KSGTN100012, Cabinet Solid Floor Panel KSGTM10012, KS	KSGPA23511	406-450MHz, 25W Input, 50-100W Output	1,620.00	2,165.00
Note: Includes One Cable for Radio Connectivity. 2,955.00 3,940.00 KSGPR23541 406-450MHz, 25W Input, 150W Output 2,955.00 3,940.00 POWER SUPPLY OPTIONS EPL LIST KSGPS20400 40A, 13.8VDC, 19' Wide Rack-Mounted Power Supply 356.25 475.00 KSGPS20400 40A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,016.25 1,3355.00 KSGPS20701 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,016.25 1,355.00 KSGPS20702 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,305.00 1,740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1,008.00 KSGMRCK4 7' (45RU) Locking Cabinet 1,500.00 2,000.25 2,675.00 KSGMT02020 42' (20RU) Locking Cabinet 1,500.00 2,000.00 1,200.00 2,006.25 435.00 KSGMT20020 Cabinet Fan Top Assembly KSGTM10012, KSGTM10012, KSGTM10012, KSGTM10012, KSGTM20TCS, 502.50 670.00 KSGMT20020 Cabinet	KSGPA23513	450-512MHz, 25W Input, 50-100W Output	1,620.00	2,165.00
KSGPA23541 406-450MHz, 25W Input, 150W Output 2,955.00 3,940.00 KSGPA23543 450-512MHz, 25W Input, 150W Output 2,955.00 3,940.00 POWER SUPPLY OPTIONS EPL LIST KSGPS20400 400,13 kWDC, 19" Wide Rack-Mounted Power Supply 356.25 475.00 Nder, incompatible with 150W anglifer option. S56.13 kWDC, 19" Wide Rack-Mounted Power Supply 1,016.25 1,355.00 KSGPS20701 70A, 13 kWDC, 19" Wide Rack-Mounted Power Supply 1,016.25 1,355.00 KSGPS20702 70A, 13 kWDC, 19" Wide Rack-Mounted Power Supply 1,016.25 1,355.00 KSGPS20702 70A, 13 kWDC, 19" Wide Rack-Mounted Power Supply with SmartCharger 1,305.00 1,740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3 (17RU) Aluminum Equipment Rack with Crate (KSGMT10000, KSGMT0C03R) 810.00 1,080.00 KSGMT20020 42" (20RU) Locking Cabinet 1,500.00 2,000.00 2,000.00 2,000.00 2,000.00 2,000.00 2,000.00 2,000.00 2,000.00 2,000.00 2,000.00 2,000.00 2,000.00 2,000.00 2,000.00 2,0	RF REPEATE	ER STATION AMPLIFIER OPTIONS, CON'T	EPL	LIST
KSGPA23543 460-612MHz, 25W Input, 150W Output 2,955.00 3,940.00 POWER SUPPLY OPTIONS EPL LIST KSGPS20400 Mot. 13,8VDC, 19' Wide Rack-Mounted Power Supply 356.25 475.00 Note: incompatible with 150V amplifier option. 356.25 1,355.00 KSGPS20701 TOA, 13,8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,016.25 1,355.00 KSGPS20702 TOA, 13,8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,305.00 1,740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C03R) 810.00 1,080.00 KSGMRCA3 7' (48RU) Locking Cabinet 1,500.00 2,000.00 1,200.00 KSGMT20020 42' (20RU) Locking Cabinet 1,500.00 2,000.00 1,500.00 2,000.00 1,500.00 2,000.00 KSGMT20001 Cabinet Fan Top Assembly 326.25 435.00 KSGMT20002 Cabinet Fan Top Assembly 326.25 435.00 KSGMT20003 Cabinet Fan Top Assembly 326.25 435.00 KSGMT20001 Cabinet Solid Floor Panel (inclu	Note: Includes One Cab	le for Radio Connectivity.		
POWER SUPPLY OPTIONS EPL LIST KSGPS20400 40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply 356.25 475.00 KSGPS20352 35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger 1,016.25 1,355.00 KSGPS20701 70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply 1,016.25 1,355.00 KSGPS20702 70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply 1,016.25 1,355.00 MOUNTTING CONFIGURATIONS EPL LIST KSGMRCK3 3 (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1,080.00 KSGMRCK7 7 (45RU) Locking Cabinet with Crate (KSGMT120040, KSGMT0C40U) 2,006.25 2,675.00 KSGMT20020 42" (20RU) Locking Cabinet 1,500.00 2,000.00 KSGMT2001 Cabinet Soild Top Panel 67.50 90.00 KSGMT20020 Cabinet Soild Too Panel 67.50 90.00 KSGMT20020 Cabinet Soild Too Panel 67.50 90.00 KSGMT20020 Cabinet Soild Too Panel (includes five pre-drilled openings and grommets) 105.00 140.00 KSGMT20020 Cabinet Soild Too Panel (inclu	KSGPA23541	406-450MHz, 25W Input, 150W Output	2,955.00	3,940.00
KSGP 520400 40A, 13 8/DC, 19' Wide Rack-Mounted Power Supply 356.25 475.00 KSGP 520352 35A, 13 8/DC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,016.25 1,355.00 KSGP 520701 T0A, 13 8/DC, 19' Wide Rack-Mounted Power Supply 1,016.25 1,355.00 KSGP 520702 T0A, 13 8/DC, 19' Wide Rack-Mounted Power Supply 1,016.25 1,355.00 KSGP 520702 T0A, 13 8/DC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,305.00 1,740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1,080.00 KSGMT20020 42'' (20RU) Locking Cabinet 1,500.00 2,000.02 2,675.00 KSGMT20020 Cabinet Solid Top Panel 67.50 90.00 1,200.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 140.00 140.00 KSGMT20002 Cabinet Solid Top Panel 67.50 90.00 140.00 140.00 140.00 140.00 140.00 140.00 140.00 140.00 140.00 140.00 140.00 140.00 <td< td=""><td>KSGPA23543</td><td>450-512MHz, 25W Input, 150W Output</td><td>2,955.00</td><td>3,940.00</td></td<>	KSGPA23543	450-512MHz, 25W Input, 150W Output	2,955.00	3,940.00
KSGP320400 Note: Incompatible with 150W amplifier option. 356.23 473.00 KSGP520352 35A, 13 8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger 1,016.25 1,355.00 KSGP520701 70A, 13 8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger 1,016.25 1,355.00 KSGP520702 70A, 13 8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger 1,305.00 1,740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1,080.00 KSGMRCK7 7' (46RU) Locking Cabinet 1,500.00 2,006.25 2,675.00 KSGMT2020 42" (20RU) Locking Cabinet 1,500.00 2,000.00 2,000.00 KSGMT20020 Crate for 42" (20RU) Locking Cabinet 1,500.00 2,000.00 KSGMT20000 Cabinet Solid Top Pael 67.50 90.00 KSGMT20002 Cabinet Solid Top Pael (KSGTM10012, KSGTM1017S, KSGCB32801) 491.25 655.00 KSGTN202A 2 channel Tone Termination Panel (KSGTM10010, KSGRM20TCS, KSGCB32801) 491.25 655.00 KSGTN202A 2 cd wine, 600-Ohm balanced audo	POWER SUP	PLYOPTIONS	EPL	LIST
KSGPS20352 35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger 1,016.25 1,355.00 KSGPS20701 70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply 1,016.25 1,355.00 KSGPS20702 70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger 1,305.00 1,740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1,080.00 KSGMRCK7 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 900.00 1,200.00 KSGMT20020 42" (20RU) Locking Cabinet 1,500.00 2,000.00 KSGMT20020 Crate for 42" (20RU) Locking Cabinet 1,500.00 2,000.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 KSGMT20002 Cabinet Solid Top Panel 67.50 90.00 KSGMT20003 Cabinet Solid Top Panel 67.50 90.00 KSGMT20002 Cabinet Solid Top Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) 491.25 655.00 KSGTN02A 2 channel Tone Termination Panel (KSGTM10010, KSGRM20TCS, KSGCB32801) 491.25 655.00 <	KSGPS20400		356.25	475.00
KSGP520701 TOA, TRADE TRONGADE WIN 150V alliphile Qubit. KSGP520702 TOA, 13.8VDC, 19' Wide Rack-Mounted Power Supply 1,016.25 1,3355.00 KSGP520702 TOA, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,305.00 1,740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3 (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1,080.00 KSGMKCK47 7 (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C007R) 900.00 1,200.00 KSGMT20020 42' (20RU) Locking Cabinet 1,500.00 2,000.00 KSGMT20020 42' (20RU) Locking Cabinet 1,500.00 2,000.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 KSGMT20002 Cabinet Solid Top Panel 67.50 90.00 KSGMT20003 Cabinet Solid Floor Panel (Includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) 491.25 655.00 Note; 2 or 4 wire, 600-Ohm balanced audo with monitor. N-Series 2 Channel Tone Termination Panel (KSGTM10010, KSGTM20TCS, KSGCB32801) <td>KSGPS20352</td> <td>35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger</td> <td>1.016.25</td> <td>1.355.00</td>	KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1.016.25	1.355.00
KSGPS20702 T0A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,305.00 1,740.00 MOUNTING CONFIGURATIONS EPL LIST KSGPS20702 70A, 13.8VDC, 19' Wide Rack-Mounted Power Supply with SmartCharger 1,305.00 1,740.00 MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT1000, KSGMT0C07R) 900.00 1,200.00 KSGMT20020 42' (20RU) Locking Cabinet 2,006.25 2,675.00 KSGMT20020 42' (20RU) Locking Cabinet 1,500.00 2,000.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 KSGMT20002 Cabinet Solid Floor Panel (Includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) 491.25 655.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 502.50 670.00 502.50 670.00 KSGTN02A XScres23201) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 502.50 670.00 502.50				
MOUNTING CONFIGURATIONS EPL LIST KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1,080.00 KSGMRCK7 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 900.00 1,200.00 KSGMRCAB4 77' (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 2,006.25 2,675.00 KSGMT20020 42' (20RU) Locking Cabinet 1,500.00 2,000.00 KSGMT0C20U Crate for 42' (20RU) Locking Cabinet 258.75 345.00 KSGMT20001 Cabinet For 42' (20RU) Locking Cabinet 258.75 345.00 KSGMT20002 Cabinet Solid Top Panel 67.50 90.00 KSGMT20003 Cabinet Solid Top Panel (Includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10050, KSGTM20TCS, KSGCB32801) 491.25 655.00 Ndse; 2 or 4 wire, 600-Ohm balanced audio with monitor. 502.50 670.00 502.50 670.00 KSGTN10A KSGCB32801) Ndse; 2 or 4 wire, 600-Ohm balanced audio with monitor.			-	
KSGMRCK3 3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R) 810.00 1,080.00 KSGMRCK7 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 900.00 1,200.00 KSGMRCAB4 77'' (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 2,006.25 2,675.00 KSGMT20020 42'' (20RU) Locking Cabinet 1,500.00 2,000.00 KSGMT0C20U Crate for 42'' (20RU) Locking Cabinet 1,500.00 2,000.00 KSGMT02001 Cabinet Solid Top Panel 67.50 90.00 KSGMT20002 Cabinet Solid Top Panel 67.50 90.00 KSGMT20003 Cabinet Solid Floor Panel (Includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channel Tone Termination Panel (KSGTM1012, KSGTM10TCS, KSGCB32801) 491.25 655.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 502.50 670.00 90.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 16 Channel Tone Termination Pan				,
KSGMRCK7 7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R) 900.00 1,200.00 KSGMCAB4 77' (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 2,006.25 2,675.00 KSGMT20020 42" (20RU) Locking Cabinet 1,500.00 2,000.00 KSGMT0C20U Crate for 42" (20RU) Locking Cabinet 258.75 345.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 140.00 KSGMT20002 Cabinet Solid Top Panel 67.50 90.00 140.00 KSGMT20003 Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) 491.25 655.00 Note; 2 or 4 wire, 600-Ohn balanced audio with monitor. 502.50 670.00 90.00 920.00 KSGTN10A KSGCB32801) Note; 2 or 4 wire, 600-Ohn balanced audio with monitor. 690.00 920.00 Note; 2 or 4 wire, 600-Ohn balanced audio with monitor. 690.00 920.00 Note; 2 or 4 wire, 600-Ohn balanced audio with monitor. 690.00 920.00 Note; 2 or 4 wire, 600-Ohn balan				
KSGMCAB4 77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U) 2,006.25 2,675.00 KSGMT20020 42" (20RU) Locking Cabinet 1,500.00 2,000.00 KSGMT0C20U Crate for 42" (20RU) Locking Cabinet 258.75 345.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 KSGMT20002 Cabinet Solid Top Panel 67.50 90.00 KSGMT20003 Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) 491.25 655.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 502.50 670.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. KSGTN10A KSGCB32801) 690.00 920.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 KSGTN22N Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 KSGTN10A KSGCB32801) 690.00				
KSGMT20020 42" (20RU) Locking Cabinet 1,500.00 2,000.00 KSGMT0C20U Crate for 42" (20RU) Locking Cabinet 258.75 345.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 KSGMT20002 Cabinet Solid Top Panel 67.50 90.00 KSGMT20003 Cabinet Solid Top Panel (includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) 491.25 655.00 Nete: 2 or 4 wire, 600-Ohm balanced audio with monitor. Nete: 2 or 4 wire, 600-Ohm balanced audio with monitor. 502.50 670.00 KSGTN02N KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 KSGTN10A KSGCB32801) 10 Channel BCD Tone Termination Panel (KSGTM10001, KSGBCDCASE, KSGTM20016 690.00 920.00 KSGTM20016 16 Channel Tone Termination Panel (KSGTM10017, KSGCB32801) 00.01 948.75 KSGTN22A 2 0 4 wire, 600-Ohm balanced audio with monitor. 711.56 948.75 KSGTM20016 16 Channel Tone Termination Panel (KSGTM10021, KSGTM10017, KSGTM32011) 307.50	KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMT0C20U Crate for 42" (20RU) Locking Cabinet Note; Optional for situations where extra protection during transportation is required. 258.75 345.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 KSGMT20002 Cabinet Solid Top Panel 67.50 90.00 KSGMT20003 Cabinet Solid Top Panel (includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note; 2 or 4 wire, 600-0hm balanced audio with monitor. 491.25 655.00 KSGTN02N KSGCB32801) N-Series 2 Channel Tone Termination Panel (KSGTM10010, KSGCM20TCS, KSGTN10A 502.50 670.00 KSGTN10A KSGCB32801) 10 Channel EOD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGTM20016 690.00 920.00 KSGTM20016 16 Channel Tone Termination Panel Note; 2 or 4 wire, 600-0hm balanced audio with monitor. 711.56 948.75 KSGTDC2A DC Termination Panel Note; 2 or 4 wire, 600-0hm balanced audio with monitor. 711.56 948.75 KSGTDC2A DC Termination Panel Note; 2 or 4 wire, 600-0hm balanced audio with monitor. 711.56 948.75 KSGTALD1 Note; 2 or 4 wire, 600-0hm balanced aud	KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
Note: Optional for situations where extra protection during transportation is required. 258.75 345.00 KSGMT20001 Cabinet Solid Top Panel 67.50 90.00 KSGMT20002 Cabinet Solid Top Panel (includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) 491.25 655.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) 502.50 670.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 502.50 670.00 90.00 920.00 KSGTN02N KSGCB32801) 10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGTM20TCS, KSGCB32801) 690.00 920.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 KSGTM20016 16 Channel Tone Termination Panel KSGTM10TCS, KSGCB32801) 307.50 410.00 KSGTM2016 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. SecTP 20.00 307.50 410.00 KSGTM20216 16 Channel Tone Termination Panel KSGTM10021, KSGTM10021, KSGTM10TCS, KSGCB32801) <	KSGMT20020		1,500.00	2,000.00
KSGMT20002 Cabinet Fan Top Assembly 326.25 435.00 KSGMT20003 Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) 491.25 655.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 502.50 670.00 KSGTN02N KSGCB32801) 10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGTN20TCS, KSGCB32801) 690.00 920.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 KSGTN10A KSGCB32801) 690.00 920.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 711.56 948.75 KSGTDC2A DC Termination Panel (KSGTM1007CS, KSGCB32801) 307.50 410.00 KSGTALD1 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 711.56 948.75 KSGTN2C4 DC Termination Panel (KSGTM1007CS, KSGCB32801) 307.50 410.00 KSGTALD1 Note: 600-Ohm Usage audio with monitor.	KSGMT0C20U		258.75	345.00
KSGMT20003 Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets) 105.00 140.00 WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 491.25 655.00 KSGTN02N N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGTN02N 502.50 670.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 502.50 670.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 KSGTN10A KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 KSGTM20016 16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 711.56 948.75 KSGTDC2A DC Termination Panel (KSGTM1002, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 307.50 410.00 KSGTALD1 Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configuration. When needed. VPN router(s) may be required for multi-site systems depending on desired configuration. 270.00 360.00 KSGTALD1 Sere required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are requ	KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
WIRELINE REMOTE CONTROL OPTIONS EPL LIST KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 491.25 655.00 KSGTN02N N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) 502.50 670.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling. 502.50 670.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 KSGTN20016 16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 711.56 948.75 KSGTDC2A DC Termination Panel (KSGTM10010, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 307.50 410.00 KSGTALD1 Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configurate to support 4-wire E&M interface applications. 270.00 360.00 ETHERNET SWITCH & ROUTER OPTIONS EPL LIST Note: One switch is required for each site; VPN router(s) may be required for multi-site systems depending on de	KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGTN02A 2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 491.25 655.00 KSGTN02N N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) 502.50 670.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling. 502.50 670.00 KSGTN10A KSGCB32801) 502.50 670.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 KSGTM20016 16 Channel Tone Termination Panel 711.56 948.75 KSGTDC2A DC Termination Panel (KSGTM100TCS, KSGCB32801) 307.50 410.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. SecTil State of the context	KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
KSGTN02A Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 491.25 655.00 KSGTN02N N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) 502.50 670.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling. 502.50 670.00 KSGTN10A KSGCB32801) 502.50 690.00 920.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 KSGTM20016 16 Channel Tone Termination Panel 711.56 948.75 KSGTDC2A DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) 307.50 410.00 Mote: 2 or 4 wire, 600-Ohm balanced audio with monitor. 711.56 948.75 KSGTDC2A DC Termination Panel (KSGTM10021, KSGTM10TCS, KSGCB32801) 307.50 410.00 Mote: 2 or 4 wire, 600-Ohm balanced audio with monitor. 502.00 360.00 360.00 KSGTALD1 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 270.00 360.00 KSGTALD1 Note: 1 channel receive audio line driver panel, 2 wire, 600-Ohm balanced output. May also be configured to support 4-wire E&M interface applications. 270.00 360.00 ETHERNET SWITCH & ROUTER OPTIONS EPL LIST <td>WIRELINE R</td> <td>EMOTE CONTROL OPTIONS</td> <td>EPL</td> <td>LIST</td>	WIRELINE R	EMOTE CONTROL OPTIONS	EPL	LIST
KSGTN02N KSGCB32801) 502.50 670.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling. 10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801) 690.00 920.00 KSGTN20016 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 KSGTM20016 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 711.56 948.75 KSGTDC2A DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) 307.50 410.00 KSGTALD1 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of 600 Ohm Line Driver (KSGTM10021, KSGCM10TCS, KSGCB32801) 307.50 410.00 KSGTALD1 Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications. 270.00 360.00 ETHERNET SWITCH & ROUTER OPTIONS EPL LIST Note: One switch is required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required in addition to and in conjunction with network switch equipment. Multicast Router options are also available. 187.50 250.00	KSGTN02A		491.25	655.00
10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801) 690.00 920.00 Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 690.00 920.00 KSGTM20016 16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 711.56 948.75 KSGTDC2A DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of 600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) 307.50 410.00 KSGTALD1 Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications. 270.00 360.00 ETHERNET SWITCH & ROUTER OPTIONS EPL LIST Note: One switch is required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required in addition to and in conjunction with network switch equipment. 187.50 250.00 KSGNS10008 8-Port Managed Network Switch 187.50 250.00	KSGTN02N	KSGCB32801)	502.50	670.00
KSGTM20016 16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. 711.56 948.75 KSGTDC2A DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of 600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications. 270.00 360.00 ETHERNET SWITCH & ROUTER OPTIONS EPL LIST Note: One switch is required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required in addition to and in conjunction with network switch equipment. Multicast Router options are also available. 8-Port Managed Network Switch 187 50 250 00	KSGTN10A	10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801)	690.00	920.00
Note: 2 or 4 wire, 600-0hm balanced audio with monitor. DC Termination Panel (KSGTM1003, KSGTM10TCS, KSGCB32801) 307.50 410.00 Note: 2 or 4 wire, 600-0hm balanced audio with monitor. Specify DC current settings at time of 600 0hm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) 307.50 410.00 KSGTALD1 Note: 1 channel receive audio line driver panel, 2 wire, 6000hm balanced output. May also be configured to support 4-wire E&M interface applications. 270.00 360.00 ETHERNET SWITCH & ROUTER OPTIONS EPL LIST Note: One switch is required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required in addition to and in conjunction with network switch equipment. 187.50 250.00 KSGNS10008 8-Port Managed Network Switch 187.50 250.00	KSGTM20016	16 Channel Tone Termination Panel	711.56	948.75
Note: 2 of 4 Wire, 600-Onm balanced audio with monitor. Specify DC current settings at time of 600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) KSGTALD1 Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications. 270.00 360.00 ETHERNET SWITCH & ROUTER OPTIONS EPL LIST Note: One switch is required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required in addition to and in conjunction with network switch equipment. 187 50 250 00 KSGNS10008 8-Port Managed Network Switch 187 50 250 00				
KSGTALD1 Note: 1 channel receive audio line driver panel, 2 wire, 6000hm balanced output. May also be configured to support 4-wire E&M interface applications. 270.00 360.00 ETHERNET SWITCH & ROUTER OPTIONS EPL LIST Note: One switch is required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required in addition to and in conjunction with network switch equipment. Multicast Router options are also available. 8-Port Managed Network Switch 187 50 250 00	KSGTDCZA		307.50	410.00
ETHERNET SWITCH & ROUTER OPTIONS EPL LIST Note: One switch is required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required in addition to and in conjunction with network switch equipment. Multicast Router options are also available. 8-Port Managed Network Switch 187 50 250 00	KSGTALD1	Note: 1 channel receive audio line driver panel, 2 wire, 6000hm balanced output. May also be	270.00	360.00
configuration. When needed, VPN router(s) are required in addition to and in conjunction with network switch equipment. Multicast Router options are also available. KSGNS10008 8-Port Managed Network Switch 187 50 250 00	ETHERNET S		EPL	LIST
	configuration. When ne	eded, VPN router(s) are required in addition to and in conjunction with network switch equipment.		
	KCCNC10009	8-Port Managed Network Switch	107 50	250.00

KSGNS10024 Rack Mounted 24-Port Managed Network Switch 2	281.25	375.00
KSGRT10004 4-Port Managed VPN Router Note: 1RU Mounting Tray (KSGUT10001) sold separately. 2	281.25	375.00
TYPE-D TRUNKING OPTIONS	EPL	LIST
Type-D Single Site Repeater Trunking Feature	187.50	250.00
KTI-5M Network Adapter Device- Required for Type-D Trunking Web Access KTI-5M Note: For field upgrade, please download KPG-1006DNA from TOOLS and install to your KTI-5M. (Installation Manual is included.) 3	324.00	432.00
L-1794 Instillation KPG-1006DNA Firmware for KTI-5M at Factory.	N/C	N/C
EXTERNAL TRUNKING CONTROLLER OPTIONS	EPL	LIST
KSGC452L LTR Dispatch Trunking Controller (901-9570, KSGCB32801) 1,1	158.75	1,545.00
KSGC459L LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801) 2,6	655.00	3,540.00
MISC STATION OPTIONS	EPL	LIST
6 Cavity UHF BpBr Duplexer (450-470MHz Only)		LIGT
	321.25	3,095.00
4 Cavity LIHE BoBr Dupleyer (450-470MHz Only)	331.25	1,775.00
KSGOMOD1 Basic Site Management Modem (KSGMD10001, KSGCB22154) 1 Note: Modem 2400 bps to be used with LTR controllers, includes interface cable. 1	191.25	255.00
KSGOMOD2 High Performance Site Management Modem (KSGMD20000, KSGCB22154) Section Section)11.25	1,215.00
KSGSNV12 Signal-to-Noise Modular Voting Comparator 6,0	00.00	8,000.00
	47.50	1,530.00
KSGOPTG1 Pilot Tone Generator and Line Driver (PTG-10) Note: For use with voting systems, supplies 600 Ohm balanced 2-wire audio. 60	63.75	885.00
KSGMS10010 Relay, Antenna, x10 Series, 50W 2	255.00	340.00
COMPONENTS	EPL	LIST
KSGMT13000 Rack, Equipment, 3' Tall, 19 Inches Wide 5	540.00	720.00
KSGMT0C03R Crate for 3' Rack 2	270.00	360.00
KSGMT17000 Rack, Equipment, 7' Tall, 19 Inches Wide 4	87.50	650.00
	12.50	550.00
KSGMT20040 Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base 1,6	516.25	2,155.00
KSGMT0C40U Crate for 40U Cabinet 3	390.00	520.00
	120.00	560.00
	48.75	65.00
KSGCB32801 Cable, Interface, Tone to '50	22.50	30.00
KSGTM10060 Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	127.50	570.00
KSGTM20TCS Case, Tone Term Panel (N-Series)	52.50	70.00
	515.00	820.00
KSGBCDCASE Case, Tone Term Panel	52.50	70.00
	236.25	315.00
	198.75	265.00
KSGCB30532 Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
	136.25	1,515.00

905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1,755.00	2,340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1,175.00
KSGUT10001	1RU Mounting Tray <u>Note</u> : Provides mounting space for up to two accessories.	37.50	50.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10010	Panel, Tone Term, 10 ch., with case, full dup, 2 or 4 wire, w/mon	615.00	820.00
KSGBCDCASE	Case, Tone Term Panel	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,136.25	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1,755.00	2,340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1,175.00
KSGUT10001	1RU Mounting Tray <u>Note</u> : Provides mounting space for up to two accessories.	37.50	50.00



TKR-D710

DMR VHF Repeaters* - 136-174MHz

* Base Operations are not available.



GENERAL:

- · Occupies 2 RU
- Digital 12.5 kHz
- Analog FM 25/12.5 kHz
- 2 slot TDMA
- Mixed Mode
- Call Interruption
- Conventional and Conventional IP* Network

* Requires KTI-5

- **OPTIONS**:
- External amplifier with built-in antenna T/R switch for simplex operation.
- Power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications.
- High performance 6 cavity BpBr duplexer is also available.
- Multi-channel combining systems are quoted on an individual system basis
- Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks.
- Amplifier choices include 50W, 110W or 150W options.
- Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

REPEATER		EPL	LIST
TKR-D710K	Repeater, Digital, VHF, 136-174MHz, 5-50W <u>Note:</u> The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio Output/External Monitor Switch/External PTT Switch are NOT available.	1,668.75	2,225.00
BASIC ACCE	ESSORIES and LABOR	EPL	LIST
KPG-46XM	Programming Cable	118.88	158.50
KPG-174DNK	Repeater Programming Software	77.44	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	187.50	250.00
KTI-5M	Network Adapter Device - Required for Conv. IP Networking Functionality <u>Note:</u> - Must order L-1806 or L-1807 for DMR Conventional IP Configuration - Required for each repeaters	324.00	432.00
L-1806	Instllation KPG-1010DMR Firmware and Option for KTI-5M	15.00	20.00
L-1807	KTI-5 Field Upgrade Option for DMR IP Network	15.00	20.00
B5B-7228-00	TKR-D710 Service Manual	37.50	50.00
RF BASE STAT	ION AMPLIFIER OPTIONS	EPL	LIST
Note: Includes Two Cat	les for Radio Connectivity and an Internal Antenna Relay.		
KSGPA22423	136-174MHz, 3W Input, 25-50W Output	1,492.50	1,990.00
KSGPA22400	136-144MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22410	144-152MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22420	152-162MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22430	162-174MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22451	136-144MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22452	144-152MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22453	152-162MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22454	162-174MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22258	152-162MHz, 3W Input, 250W Output	3,450.00	4,600.00
KSGPA22523	136-174MHz, 25W Input, 25-50W Output	1,492.50	1,990.00
KSGPA22500	136-144MHz, 25W Input, 55-110W Output	1,878.75	2,505.00

KSGPA22510	144-152MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22520	152-162MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22530	162-174MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22551	136-144MHz, 25W Input, 150W Output	2,790.00	3,720.00
KSGPA22552	144-152MHz, 25W Input, 150W Output	2,790.00	3,720.00
KSGPA22553	152-162MHz, 25W Input, 150W Output	2,790.00	3,720.00
KSGPA22554	162-174MHz, 25W Input, 150W Output	2,790.00	3,720.00
RF REPEATE	ER STATION AMPLIFIER OPTIONS	EPL	LIST
Note: Includes One Cab	le for Radio Connectivity.		
KSGPA22403	136-174MHz, 3W Input, 25-50W Output	1,248.75	1,665.00
KSGPA22411	136-144MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
RF REPEATE	ER STATION AMPLIFIER OPTIONS, CON'T	EPL	LIST
KSGPA22412	144-152MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22413	152-162MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22414	162-174MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22441	136-144MHz, 3W Input, 150W Output	2,295.00	3,060.00
Note: Includes One Cab	le for Radio Connectivity.		
KSGPA22442	144-152MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22443	152-162MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22444	162-174MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22253	152-162MHz, 3W Input, 250W Output	3,045.00	4,060.00
KSGPA22503	136-174MHz, 25W Input, 25-50W Output	1,248.75	1,665.00
KSGPA22511	136-144MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22512	144-152MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22513	152-162MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22514	162-174MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22541	136-144MHz, 25W Input, 150W Output	2,295.00	3,060.00
KSGPA22542	144-152MHz, 25W Input, 150W Output	2,295.00	3,060.00
KSGPA22543	152-162MHz, 25W Input, 150W Output	2,295.00	3,060.00
KSGPA22544	162-174MHz, 25W Input, 150W Output	2,295.00	3,060.00
POWER SUP	PPLY OPTIONS	EPL	LIST
KSGPS20200	DC Switching Power Supply 13.8VDC 20A	191.25	255.00
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply Note : Incompatible with 150W or 250W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,016.25	1,355.00
KSGPS20701	<u>Note</u> : Incompatible with 150W or 250W amplifier option. 70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00
	CONFIGURATIONS	EPL	LIST
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet	258.75	345.00
KSGMT20001	<u>Note:</u> Optional for situations where extra protection during transportation is required. Cabinet Solid Top Panel	67.50	90.00
KSGMT20001	Cabinet Fan Top Assembly	326.25	435.00
135141120002		520.25	-33.00

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KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
ETHERNET S	SWITCH & ROUTER OPTIONS	EPL	LIST
	uired for each site; VPN router(s) may be required for multi-site systems depending on desired eded, VPN router(s) are required in addition to and in conjunction with network switch equipment.		
KSGNS10008	8-Port Managed Network Switch	187.50	250.00
	Note: 1RU Mounting Tray (KSGUT10001) sold separately.		230.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	281.25	375.00
KSGRT10004	4-Port Managed VPN Router	281.25	375.00
	Note: 1RU Mounting Tray (KSGUT10001) sold separately.	50/	
MISC STATIO	ON OPTIONS	EPL	LIST
	6 Cavity VHF BpBr Duplexer		
KSGDX12556	Note: Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz.	2,321.25	3 <i>,</i> 095.00
	Includes one LMR-400 interface cable.		
COMPONEN	TS	EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGUT10001	1RU Mounting Tray <u>Note</u> : Provides mounting space for up to two accessories.	37.50	50.00

DMR

TKR-D710

DMR VHF Low Power Repeaters - 136-174MHz

* Base Operations are not available.



GENERAL:

- Occupies 2 RU
- Digital 12.5 kHz
- Analog FM 25/12.5 kHz
- 2 slot TDMA
- Mixed Mode
- Call Interruption
- Conventional and Conventional IP* Network

* Requires KTI-5

OPTIONS:

- External amplifiers with built-in T/R antenna switching for simplex operation.
- Power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications.
 - High performance 6 cavity BpBr duplexer is also available.
- Multi-channel combining systems are quoted on an individual system basis
- Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks.
 Amplifier choices include 50W, 110W or 150W options.
- Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

TKR-D710 RE	PEATER	EPL	LIST
	Repeater, Digital, VHF, 136-174MHz, 5-50W		
TKR-D710K	Note: The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio	1,668.75	2,225.00
	Output/External Monitor Switch/External PTT Switch are <u>NOT</u> available.		
TKR-D710 RE	EPEATER PACKAGE	EPL	LIST
	Repeater Package Includes KSGPS20200 Power Supply (mounted inernally), 136-		
TKR-D710KPS	174MHz Repeater 5-50W	1,832.25	2,443.00
TKN-D7 IOKF 3	Note: The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio	1,032.23	2,443.00
	Output/External Monitor Switch/External PTT Switch are NOT available.		
REPEATER S	TATION WITH CONVENTIONAL IP NETWORK FUNCTI	EPL	LIST
TKR-D710KPSI	Repeater Package includes KSGPS20200 Power Supply (mounted inernally), The KTI-5M Network Adaptor and KPG-1010DMR, 136-174MHz Repeater <u>Note:</u> The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio Output/External Monitor Switch/External PTT Switch are NOT available.	2,171.25	2,895.00
REPEATER S	TATION WITH DUPLEXER	EPL	LIST
a 5MHz split between TX	available for all frequencies. The default range of duplexers are between 148-160 MHz (VHF) with and RX, and between 450-460MHz (UHF). Other frequencies or VHF band splits may be available urnable and non-refundable). Pricing for special order duplexers may be higher. Frequencies must r.		
TKR-D710KPSD	Repeater Station 5-50W 148-160MHz includes KSGPS20200 Power Supply, KSGDX62001 Duplexer, KSGCB20008 Cable, KSGCB20010 Cable <u>Note:</u> The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio Output/External Monitor Switch/External PTT Switch are NOT available.	2,279.25	3,039.00
KEPEAIEK S		EPL	LIST
	available for all frequencies. The default range of duplexers are between 148-160 MHz (VHF) with		
a 5MHz split between TX	and RX, and between 450-460MHz (UHF). Other frequencies or VHF band splits may be available		
	urnable and non-refundable). Pricing for special order duplexers may be higher. Duplexer and KTI-		
5M are mounted inside the	ne Repeater; a separate Rack-Mount Power Supply is included.	_	
	Repeater Station 5-50W 148-160MHz includes KSGPS20201 Power Supply,		
TKR-D710KPSDI	KSGDX62001 Duplexer, KTI-5M and KPG-1010DMR, KSGCB20008 Cable,		2 470 00
IKK-D/IUKP3DI	KSGCB20010 Cable. Note: The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio	2,602.50	3,470.00
	<u>Note:</u> The Control I/O Pins of TX Data input/TX Addio input/TX Data Output/TX Addio Output/External Monitor Switch/External PTT Switch are NOT available.		
BASIC ACCE	SSORIES and LABOR	EPL	LIST
KPG-46XM	Programming Cable	118.88	158.50
		110.00	100.00

281.25

375.00

KPG-174DNK	Repeater Programming Software	77.44	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	187.50	250.00
KTI-5M	Network Adapter Device - Required for Conv. IP Networking Functionality <u>Note:</u> - Must order L-1806 or L-1807 for DMR Conventional IP Configuration - Required for each repeaters	324.00	432.00
L-1806	Instilation KPG-1010DMR Firmware and Option for KTI-5M	15.00	20.00
L-1807	KTI-5 Field Upgrade Option for DMR IP Network	15.00	20.00
B5B-7228-00	TKR-D710 Service Manual	37.50	50.00
POWER SUP	PPLY OPTIONS	EPL	LIST
KSGPS20200	DC Switching Power Supply 13.8VDC 20A	191.25	255.00
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply <u>Note</u> : Incompatible with 150W or 250W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger Note: Incompatible with 150W or 250W amplifier option.	1,016.25	1,355.00
MOUNTING	CONFIGURATIONS	EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet <u>Note:</u> Optional for situations where extra protection during transportation is required.	258.75	345.00
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
ETHERNET	SWITCH & ROUTER OPTIONS	EPL	LIST
	uired for each site; VPN router(s) may be required for multi-site systems depending on desired eeded, VPN router(s) are required in addition to and in conjunction with network switch equipment. s are also available.		
KSGNS10008	8-Port Managed Network Switch Note: 1RU Mounting Tray (KSGUT10001) sold separately.	187.50	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	281.25	375.00

KSGRT10004	4-Port Managed VPN Router Note: 1RU Mounting Tray (KSGUT10001) sold separately.
MISC STATIO	N OPTIONS

MISC STATIC	ON OPTIONS	EPL	LIST
KSGDX12556	6 Cavity VHF BpBr Duplexer <u>Note</u> : Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable.	2,321.25	3,095.00
COMPONENTS		EPL	LIST
KSGDX62001	Duplexer, VHF, 148-160MHz, 6 cavities, 4.5MHz sep, N-F Note: This is the default frequency range. Other ranges may be available by special order. Fequencies must be provided with an order	446.25	595.00
KSGCB20008	Cable, 10" 90 deg N-M to 90 deg BNC-M, RG-142 coaxial	37.50	50.00
KSGCB20010	Cable, 10", 90 deg N-M to 90 deg N-M, RG-142 coaxial	37.50	50.00
KSGPS20201	Power Supply, 20A, no meter, RM-2512 w/BB6 & 8 place fuse	322.50	430.00
KSGPS20200	DC Switching Power Supply	191.25	255.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGUT10001	1RU Mounting Tray <u>Note</u> : Provides mounting space for up to two accessories.	37.50	50.00



TKR-D810

DMR UHF Repeaters - 400-520MHz



GENERAL:

- Occupies 2 RU
- Digital 12.5 kHz
- Analog FM 25/12.5 kHz
- 2 slot TDMA
- Mixed Mode
- Call Interruption
- Conventional and Conventional
- IP* Network

* Requires KTI-5

OPTIONS:

- External amplifiers with built-in T/R antenna switching for simplex operation
- Power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications.
 - High performance 4 and 6 cavity BpBr duplexer are also available.
- Multi-channel combining systems are quoted on an individual system
 basis
- Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks.
- Amplifier choices include 40W, 100W or 150W options.
- Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

TKR-D810 RE	EPEATER	EPL	LIST
TKR-D810K	Repeater, Digital, UHF, 450-520MHz, 5-40W <u>Note:</u> The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio Output/External Monitor Switch/External PTT Switch are <u>NOT</u> available.	1,668.75	2,225.00
TKR-D810K2	Repeater, Digital, UHF, 400-470MHz, 5-40W <u>Note:</u> The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio Output/External Monitor Switch/External PTT Switch are NOT available.	1,668.75	2,225.00
BASIC ACCE	SSORIES and LABOR	EPL	LIST
KPG-46XM	Programming Cable	118.88	158.50
KPG-174DNK	Repeater Programming Software	77.44	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	187.50	250.00
KTI-5M	Network Adapter Device - Required for Conv. IP Networking Functionality <u>Note:</u> - Must order L-1806 or L-1807 for DMR Conventional IP Configuration - Required for each repeaters	324.00	432.00
L-1806	Instllation KPG-1010DMR Firmware and Option for KTI-5M	15.00	20.00
L-1807	KTI-5 Field Upgrade Option for DMR IP Network	15.00	20.00
B5B-7229-00	TKR-D710 Service Manual	37.50	50.00
RF BASE ST	ATION AMPLIFIER OPTIONS	EPL	LIST
Note: Includes Two Cabl	es for Radio Connectivity.		
KSGPA23421	406-450MHz, 3W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23423	450-512MHz, 3W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23400	406-450MHz, 3W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23420	450-512MHz, 3W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23451	406-450MHz, 3W Input, 150W Output	3,420.00	4,560.00
KSGPA23453	450-512MHz, 3W Input, 150W Output	3,420.00	4,560.00
KSGPA23521	406-450MHz, 25W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23523	450-512MHz, 25W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23500	406-450MHz, 25W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23520	450-512MHz, 25W Input, 50-100W Output	1,950.00	2,600.00

cable.

KSGPA23551	406-450MHz, 25W Input, 150W Output	3,420.00	4,560.00
KSGPA23553	450-512MHz, 25W Input, 150W Output	3,420.00	4,560.00
RF REPEATE	ER STATION AMPLIFIER OPTIONS	EPL	LIST
Note: Includes One Cab	le for Radio Connectivity.		
KSGPA23401	406-450MHz, 3W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23403	450-512MHz, 3W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23411	406-450MHz, 3W Input, 50-100W Output	1,623.75	2,165.00
KSGPA23413	450-512MHz, 3W Input, 50-100W Output	1,623.75	2,165.00
KSGPA23441	406-450MHz, 3W Input, 150W Output	2,955.00	3,940.00
RF REPEATE	ER STATION AMPLIFIER OPTIONS, CON'T	EPL	LIST
Note: Includes One Cab	le for Radio Connectivity.		
KSGPA23443	450-512MHz, 3W Input, 150W Output	2,955.00	3,940.00
KSGPA23501	406-450MHz, 25W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23503	450-512MHz, 25W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23511	406-450MHz, 25W Input, 50-100W Output	1,623.75	2,165.00
KSGPA23513	450-512MHz, 25W Input, 50-100W Output	1,623.75	2,165.00
KSGPA23541	406-450MHz, 25W Input, 150W Output	2,955.00	3,940.00
KSGPA23543	450-512MHz, 25W Input, 150W Output	2,955.00	3,940.00
POWER SUP	PPLY OPTIONS	EPL	LIST
KSGPS20200	DC Switching Power Supply 13.8VDC 20A	191.25	255.00
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply <u>Note</u> : Incompatible with 150W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger Note: Incompatible with 150W amplifier option.	1,016.25	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00
MOUNTING	CONFIGURATIONS	EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet	258.75	345.00
KSGMT20001	<u>Note:</u> Optional for situations where extra protection during transportation is required. Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
	SWITCH & ROUTER OPTIONS	EPL	LIST
	uired for each site; VPN router(s) may be required for multi-site systems depending on desired	<i>Li L</i>	LIGT
	eded, VPN router(s) are required in addition to and in conjunction with network switch equipment.		
KSGNS10008	8-Port Managed Network Switch Note: 1RU Mounting Tray (KSGUT10001) sold separately.	187.50	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	281.25	375.00
KSGRT10004	4-Port Managed VPN Router	281.25	375.00
MISC STATIO	Note: 1RU Mounting Tray (KSGUT10001) sold separately.	EPL	LIST
KSGDX13546	6 Cavity UHF BpBr Duplexer (450-470MHz Only) <u>Note</u> : Bandpass/Bandreject duplexer, 250W continuous duty. Includes one LMR-400 interface cable.	2,321.25	3,095.00

KSGDX23101

1,775.00

4 Cavity UHF BpBr Duplexer (450-470MHz Only) <u>Note</u>: Bandpass/Bandreject duplexer, 350W continuous duty. Includes one LMR-400 interface 1,331.25

	cable.		
COMPONEN	TS	EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGUT10001	1RU Mounting Tray <u>Note</u> : Provides mounting space for up to two accessories.	37.50	50.00



TKR-D810

DMR UHF Repeaters - 400-520MHz



GENERAL:

- Occupies 2 RU
- Digital 12.5 kHz •
- Analog FM 25/12.5 kHz ٠
- 2 slot TDMA
- Mixed Mode •
- **Call Interruption** •
- •
- Conventional and Conventional **IP*** Network

* Requires KTI-5

- **OPTIONS:**
- External amplifiers with built-in T/R antenna switching for simplex • operation
- Power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications.
 - High performance 4 and 6 cavity BpBr duplexer are also available.
- Multi-channel combining systems are quoted on an individual system basis
- Mounting options include 20 RU (42") and 40 RU (77") locking • cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks.
- Amplifier choices include 40W, 100W or 150W options. ٠
- . Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

TKR-D810 RE	EPEATER	EPL	LIST
TKR-D810K	Repeater, Digital, UHF, 450-520MHz, 5-40W <u>Note:</u> The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio Output/External Monitor Switch/External PTT Switch are <u>NOT</u> available.	1,668.75	2,225.00
TKR-D810K2	Repeater, Digital, UHF, 400-470MHz, 5-40W <u>Note:</u> The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio Output/External Monitor Switch/External PTT Switch are NOT available.	1,668.75	2,225.00
TKR-D810 RE	EPEATER PACKAGE	EPL	LIST
TKR-D810KPS	Repeater Package Includes KSGPS20200 Power Supply (mounted internally), 450- 520MHz Repeater 5-40W <u>Note:</u> The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio Output/External Monitor Switch/External PTT Switch are <u>NOT</u> available.	1,832.25	2,443.00
TKR-D810K2PS	Repeater Package Includes KSGPS20200 Power Supply (mounted internally), 400- 470MHz Repeater 5-40W <u>Note:</u> The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio Output/External Monitor Switch/External PTT Switch are NOT available.	1,832.25	2,443.00
REPEATER S	STATION WITH CONVENTIONAL IP NETWORK FUNCTI	EPL	LIST
TKR-D810KPSI	Repeater Package includes KSGPS20200 Power Supply (mounted internally), KTI- 5M Network Adopter and KPG-1010DMR, 450-520MHz Repeater <u>Note:</u> The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio Output/External Monitor Switch/External PTT Switch are NOT available.	2,171.25	2,895.00
TKR-D810K2PSI	Repeater Package includes KSGPS20200 Power Supply (mounted internally), KTI- 5M Network Adopter and KPG-1010DMR, 400-470MHz Repeater <u>Note:</u> The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio Output/External Monitor Switch/External PTT Switch are NOT available.	2,171.25	2,895.00
REPEATER S	STATION WITH DUPLEXER	EPL	LIST
a 5MHz split between TX	available for all frequencies. The default range of duplexers are between 148-160 MHz (VHF) with and RX, and between 450-460MHz (UHF). Other frequencies or VHF band splits may be available urnable and non-refundable). Pricing for special order duplexers may be higher. Frequencies must r.		
TKR-D810KPSD	Repeater Station 5-40W, 450-520MHz, Includes KSGPS20200 Power Supply, KSGDX63002 Duplexer, KSGCB20008 Cable, KSGCB20010 Cable <u>Note:</u> The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio Output/External Monitor Switch/External PTT Switch are <u>NOT</u> available.	2,279.25	3,039.00
TKR-D810K2PSD	Repeater Station 5-40W, 400-470MHz, Includes KSGPS20200 Power Supply, KSGDX63002 Duplexer, KSGCB20008 Cable, KSGCB20010 Cable <u>Note:</u> The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio Output/External Monitor Switch/External PTT Switch are NOT available.	2,279.25	3,039.00

FUNCTIONAL	TATION WITH DUPLEXER AND IP NETWORK ITY	EPL	LIST
a 5MHz split between TX a by special order (non-retur	vailable for all frequencies. The default range of duplexers are between 148-160 MHz (VHF) with and RX, and between 450-460MHz (UHF). Other frequencies or VHF band splits may be available nable and non-refundable). Pricing for special order duplexers may be higher. Duplexer and KTI- e Repeater; a separate Rack-Mount Power Supply is included.		
REPEATER S FUNCTIONAL	TATION WITH DUPLEXER AND IP NETWORK ITY	EPL	LIST
TKR-D810KPSDI	Repeater Station 5-40W, 450-520MHz Includes KSGPS20201 Power Supply, KSGDX63002 Duplexer, KTI-5M and KPG-1010DMR, KSGCB20008 Cable, KSGCB20010 Cable <u>Note:</u> The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio Output/External Monitor Switch/External PTT Switch are <u>NOT</u> available.	2,602.50	3,470.00
TKR-D810K2PSDI	Repeater Station 5-40W, 400-470MHz Includes KSGPS20201 Power Supply, KSGDX63002 Duplexer, KTI-5M and KPG-1010DMR, KSGCB20008 Cable, KSGCB20010 Cable <u>Note:</u> The Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio Output/External Monitor Switch/External PTT Switch are <u>NOT</u> available.	2,602.50	3,470.00
BASIC ACCES	SSORIES and LABOR	EPL	LIST
KPG-46XM	Programming Cable	118.88	158.50
KPG-174DNK	Repeater Programming Software	77.44	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	187.50	250.00
KTI-5M	Network Adapter Device - Required for Conv. IP Networking Functionality <u>Note:</u> - Must order L-1806 or L-1807 for DMR Conventional IP Configuration - Required for each repeaters	324.00	432.00
L-1806	Instilation KPG-1010DMR Firmware and Option for KTI-5M	15.00	20.00
L-1807	KTI-5 Field Upgrade Option for DMR IP Network	15.00	20.00
B5B-7229-00	TKR-D710 Service Manual	37.50	50.00
POWER SUPP	PLY OPTIONS	EPL	LIST
KSGPS20200	DC Switching Power Supply 13.8VDC 20A	191.25	255.00
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply <u>Note</u> : Incompatible with 150W or 250W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger Note : Incompatible with 150W or 250W amplifier option.	1,016.25	1,355.00
MOUNTING C	ONFIGURATIONS	EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet <u>Note:</u> Optional for situations where extra protection during transportation is required.	258.75	345.00
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
ETHERNET S	WITCH & ROUTER OPTIONS	EPL	LIST
KSGNS10008	8-Port Managed Network Switch Note: 1RU Mounting Tray (KSGUT10001) sold separately.	187.50	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	281.25	375.00

KSGRT10004	4-Port Managed VPN Router Note: 1RU Mounting Tray (KSGUT10001) sold separately.	281.25	375.00
MISC STATIO	ON OPTIONS	EPL	LIST
KSGDX12556	6 Cavity VHF BpBr Duplexer <u>Note</u> : Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable.	2,321.25	3,095.00
COMPONEN	TS	EPL	LIST
KSGDX63002	Duplexer, VHF, 450-460MHz, 6 cavities, 5MHz sep, N-F Note: This is the default frequency range. Other ranges may be available by special order. Fequencies must be provided with an order	446.25	595.00
COMPONEN	TS, CON'T	EPL	LIST
KSGCB20008	Cable, 10" 90 deg N-M to 90 deg BNC-M, RG-142 coaxial	37.50	50.00
KSGCB20010	Cable, 10", 90 deg N-M to 90 deg N-M, RG-142 coaxial	37.50	50.00
KSGPS20201	Power Supply, 20A, no meter, RM-2512 w/BB6 & 8 place fuse	322.50	430.00
KSGPS20200	DC Switching Power Supply	191.25	255.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGUT10001	1RU Mounting Tray <u>Note</u> : Provides mounting space for up to two accessories.	37.50	50.00

KAS-20

STANDALONE / MULTI-CLIENT AVL & DISPATCH SOFTWARE

The KAS-20 Software provides AVL and Dispatch capability compatible with Kenwood digital radio systems. With the capability to run under Windows and Windows Server operating systems, it provides a cost effective package for AVL and Dispatch for business, supporting both the NXDN and DMR digital protocols.

FEATURES AND HIGHLIGHTS:

- Low-Cost Initial Investment with Upgrade licenses
- Enhanced Scalability Standalone PC / Multi-Client Server
- Enhanced User Interface Design for ease of use
- Supports multiple digital radio protocols
- User-Selectable Options Location, Dispatch, Voice Path, Multiple Client, and Voice Recording
- Location Management 1,000 subscribers
- Definable Call Dispatch Windows
- Embedded AMBE+2 Vocoder
- System to System Patching*
 - DMR Conventional
 - NXDN Conventional
 - NXDN Type-C Gen1 System
 - NXDN Type-C Gen2 System
 - *System type and bandwidth must match

in order to patch calls from different system ID.

COMPATIBLE IP CONSOLE INTERFACE*

- Kenwood DMR Conventional
- Kenwood NXDN Conventional
- Kenwood NXDN Type-C
- Kenwood NXDN Gen2

* KAS-20 does not support serial base connection



SYSTEM REQUIREMENTS*

- Windows 7, 8.1, 10 (32/64 bit OS)
- 3.0 GHz Intel Core i5 or faster CPU
- 4 GB RAM or more
- 50GB free space or more
- Internet Connection for AVL

* Refer to KAS-20 brochure for details

SAMPLE LICENSE		EPL	LIST
KAS-20K2	SAMPLE LICENSE VALID FOR 30 DAYS OF OPERATION Following features are enabled for 30 days after activation: - AVL (similar to KWD-20C-LMK license) - Dispatch (similar to KWD-20C-VDK license) - Voice Path (similar to one KWD-20C-VPK license)	15.00	20.00
BASE LICENSE		EPL	LIST
KAS-20K	AVL & DISPATCH SOFTWARE BASE LICENSE	NC	NC

Notes:

1. KAS-20K base license is required per individual PC or Server. Works on both KAS-20C (Client) and KAS-20S (Server).

2. Application Software for KAS-20C (Client) and KAS-20S (Server) is available on Kenwood EPL Tools.

3. Base license does not contain any of the feature licenses. Must purchase additional software upgrades to enable desired functions.

4. One KAS-20K base license allows a single connection to the RF system.

TO PLACE AN ORDER FOR WINDOWS[®] SOFTWARE:

- 1. Complete the attached Software License Key Request Form.
- 2. Submit along with your PO to the SYSTEMS Order Desk via:
- a) E-Mail: systemsorderdesk@us.jvckenwood.com b) Fax: (678) 957-1880
- 3. License Keys will be E-mailed to the address provided on the order form. A hard copy will follow by mail for your records.



Note: KPT-300LMC is compatible with Windows 7/8.1/10 Only. Windows XP is

not supported.



KPT-300LMC is a required software package that is used to authenticate software

KPT-300LMC is available as a free download from Kenwood Tools and is also supplied with applicable software.

<u>NOTE</u>: A license key is required for the KPT-300LMC to authenticate the software prior to use. To receive a license key, complete the enclosed "<u>Account Request Form"</u> and return to the Kenwood Systems Order Desk.

License Keys will be E-Mailed to the address provided on the Account Request Form. A hard copy will follow by mail for your records.

KPT-300LMC	License Management Client	NC	NC
SOFTWARE	UPGRADE LICENSES (FOR CLIENT)	EPL	LIST
KWD-20C-VDK	Voice Dispatch License for KAS-20 client Note: KWD-20C-VDK does not contain vocoder license. IP dispatching requires additional KWD-20C-VPK for AMBE+2 voice vocoding.	500.25	667.00
KWD-20C-VPK	Voice Path License for KAS-20 client Note: Single KWD-20C-VPK allows single stream of AMBE+2 vocoding per license. Purchase multiple licenses up to 8 for simultaneous vocoding.	500.25	667.00
KWD-20C-LMK	Location Management License for KAS-20 client	500.25	667.00
SOFTWARE	UPGRADE LICENSES (FOR SERVER)	EPL	LIST
KWD-20S-MCK	Server upgrade license to enable multi-client operation Note: Single KAS-20 server software holds up to ten KAS-20 clients.	1,687.50	2,250.00
KWD-20S-VRK	Server upgrade license to enable Voice Logging and Playbacks Note: Voice replay uses one KWD-20C-VPK voice path license while replaying on KAS-20 client.	1,687.50	2,250.00
KWD-20S-RSK	Server upgrade license to connect ONE additional RF system to KAS-20 system.	1,687.50	2,250.00
COMPANION	PRODUCTS COMPUTERS	EPL	LIST
KSGCP30202	Windows server	3,281.25	4,375.00
KSGCP30203	Standalone PC Opt3040	956.25	1,275.00
KSGCP40001	USB Desktop Microphone A0110399	56.25	75.00
KSGSP10001	Multi-Media Desktop PC Speakers AX210 USB	37.50	50.00
COMPUTER	MONITORS	EPL	LIST
KSGCP30101	22" LED Backlit LCD Monitor 1920 x 1080 resolution E2316H	281.25	375.00
KSGCP00014	24" Monitor Backlit LCD Monitor 1920 x 1080, resolution HDMI, VGA, Displayport P2417H	390.00	520.00

KENWOOD | KAIROS

KA-160 Analog/DMR VHF Repeaters - 136-174 MHz



GENERAL FEATURES

- Analog FM 12.5 kHz
- Digital 12.5 kHz
- DMR Tier 2 Conventional
- DMR Conventional IP Network
- Multi-mode Analog/Digital Repeater
- Optional Soft Diversity Reception
- Analog / Digital Simulcast Option

GENERAL OPTIONS

- Power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications.
- High performance 6 cavity BpBr duplexer is also available.
- Multi-channel combining systems are quoted on an individual system basis.
- Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks.
- Amplifier choices include 50W, 110W or 150W options.
- Custom configurations are also available; contact your KENWOOD Systems Regional Sales Manager for more details.

KAIROS REPEA	TER	EPL	LIST
KA-160-BPM	KAIROS Repeater, Analog/DMR, VHF, 136-174MHz, 1-25W, 100% Duty	2,655.00	3,540.00
KA-160-TX-BPM	KAIROS Transmitter Only, Analog/DMR, VHF, 136-174MHz, 1-25W, 100% Duty	2,220.00	2,960.00
KA-160-RX-BPM	KAIROS Receiver Only, Analog/DMR, VHF, 136-174MHz	2,220.00	2,960.00
SOFTWARE LIC	ENSES	EPL	LIST
KA-MCTCSSM	License to allow the use of up to 8 different CTCSS contemporary	180.00	240.00
KA-POCSAGM	License to add POCSAG capability	457.50	610.00
KA-SI-T2M	License to allow Simulcast operation	3,802.50	5,070.00
KA-1+1M	License required for Hot Stand-by configuration Note : Must purchase additional KA repeater.	204.00	272.00
KA-GT2M	SIP SW License	637.50	850.00
KA-IP-CONM	Dual-mode Analog / DMR IP Connect	NC	NC
KA-TR-SSM	Tier 3 Single Site License	3,750.00	5,000.00
KA-TR-MSM	Tier 3 Multi Site MultiFreq License	5,625.00	7,500.00
KA-TR-MSSM	Tier 3 Multi Site Simulcast License	9,937.50	13,250.00
KA-P25M	Conventional P25 Phase1 License	1,777.50	2,370.00
PROGRAMMIN	IG SOFTWARE	EPL	LIST
KA-MNGM	Technical Documentation and Programming Software	153.75	205.00
NETWORK MA	NAGEMENT	EPL	LIST
KA-NETM	IP-Based DMR_NetControl	1,425.00	1,900.00
KA-NMSM	Network Management System	5,625.00	7,500.00

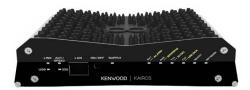
Two Way Radio Express Products (EPL) 3744

NTW-PROGM	Complex Network Design and Programming Contact the Regional Sales Manager for your area to obtain a custom quote based on specific	Custom	Custom
SYS-PROGM	System Design and Programming Contact the Regional Sales Manager for your area to obtain a custom quote based on specific	Custom	Custom
	requirements, conditions, and environment.	EPL	LIST
	UNT (Mandatory mount option for rack mounting)		
KA-RK1v2-BPM	19" Mount Panel for One KAIROS Repeaters	326.25	435.00
KA-RK2-BPM	19" Mount Panel for Two KAIROS Repeaters	326.25	435.00
KA-RK6-BPM	19" 5+1UT Rack for 6RTX	570.00	760.00
KA-VP-BPM	Front panel 10TE; required for vertical mounting configuration	80.25	107.00
HARDWARE O	PTIONS	EPL	LIST
KA-GPSM	GPS Receiver for Simulcast Operation	300.00	400.00
GPS-ANTM	GPS Antenna for Simulcast Operation	300.00	400.00
DVX-VHFM	Diversity RX filter for VHF 136 - 174 MHz	750.00	1,000.00
KA-VOC-2M	Internal Imbedded DMR Vocoder, 2 Lines plus GPS Receiver	487.50	650.00
RF REPEATER S	STATION AMPLIFIER OPTIONS	EPL	LIST
Note: Includes One Cable	for Radio Connectivity.		
KSGPA22403	136-174MHz, 3W Input, 25-50W Output	1,248.75	1,665.00
KSGPA22411	136-144MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22412	144-152MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22413	152-162MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22414	162-174MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22723	152-162MHz, 3W Input, 100W Output, 5-Pack	1,462.50	1,950.00
KSGPA22724	Note: KSGMT90005 cage is required; see Mounting Configurations section below 162-174MHz, 3W Input, 100W Output, 5-Pack	1,462.50	1,950.00
KSGPA22441	<u>Note:</u> KSGMT90005 cage is required; see Mounting Configurations section below 136-144MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22442	144-152MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22443	152-162MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22444	162-174MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22253	152-162MHz, 3W Input, 250W Output	3,045.00	4,060.00
POWER SUPPL		5,045.00 EPL	4,000.00
KSGPS20200			
	DC Switching Power Supply 13.8VDC 20A 40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	191.25	255.00
KSGPS20400	Note: Incompatible with 150W or 250W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger <u>Note</u> : Incompatible with 150W or 250W amplifier option.	1,016.25	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00
MOUNTING R	ACK	EPL	LIST
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,206.88	2,942.50
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet	297.56	396.75
	Note: Optional for situations where extra protection during transportation is required.		

MOUNTING R	ACK cont'd	EPL	LIST
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
VP-10-BPM	Closure 10TE, for vertical mounting	75.00	100.00
VP-4-BPM	Closure 4TE, for vertical mounting	45.00	60.00
KSGMT90005	Cage, Black, required when ordering 5-Pack Amplifiers only	506.25	675.00
ETHERNET SV	/ITCH & ROUTER OPTIONS	EPL	LIST
	ired for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When re required in addition to and in conjunction with network switch equipment. Multicast Router options are also		
KSGNS10008	8-Port Managed Network Switch <u>Note:</u> 1RU Mounting Tray (KSGUT10001) sold separately.	187.50	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	281.25	375.00
KSGRT10004	4-Port Managed VPN Router Note: 1RU Mounting Tray (KSGUT10001) sold separately.	281.25	375.00
KSGMS100P1	15A Power Strip, 19" Rackmount, 1RU Note: One recommended per rack when including a switch and/or router	68.25	91.00
KSGUT10001	1RU Mounting Tray Note: Provides mounting space for up to two accessories.	37.50	50.00
DUPLEXER		EPL	LIST
KSGDX12556	6 Cavity VHF BpBr Duplexer <u>Note</u> : Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR- 400 interface cable.	2,321.25	3,095.00
COMPONENT		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,777.50	2,370.50
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00



KA-450/500 Analog/DMR UHF Repeaters



GENERAL FEATURES

- Analog FM 12.5 kHz
- Digital 12.5 kHz •
- **DMR Tier 2 Conventional**
- DMR Conventional IP Network •
- Multi-mode Analog/Digital Repeater •
- Optional Soft Diversity Reception
- Analog / Digital Simulcast Option
- System Redundancy

GENERAL OPTIONS

- Power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications.
- High performance 4 and 6 cavity BpBr duplexer are also available.
- Multi-channel combining systems are quoted on an individual system basis.
- Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in ٠ addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 40W, 100W or 150W options.
- Custom configurations are also available; contact your KENWOOD Systems Regional Sales Manager for more details.

KAIROS REPEAT	TERS	EPL	LIST
KA-450-BPM	KAIROS Repeater, Analog/DMR, UHF, 400-470MHz, 1-25W, 100% Duty	2,655.00	3,540.00
KA-450-TX-BPM	KAIROS Transmitter Only, Analog/DMR, UHF, 400-470MHz, 1-25W, 100% Duty	2,220.00	2,960.00
KA-450-RX-BPM	KAIROS Receiver Only, Analog/DMR, UHF, 400-470MHz	2,220.00	2,960.00
KA-500-BPM	KAIROS Repeater, Analog/DMR, UHF, 450-512MHz, 1-25W, 100% Duty	2,655.00	3,540.00
KA-500-TX-BPM	KAIROS Transmitter Only, Analog/DMR, UHF, 450-512MHz, 1-25W, 100% Duty	2,220.00	2,960.00
KA-500-RX-BPM	KAIROS Receiver Only, Analog/DMR, UHF, 450-512MHz	2,220.00	2,960.00
SOFTWARE LICE	ENSES	EPL	LIST
KA-MCTCSSM	License to allow the use of up to 8 different CTCSS contemporary	180.00	240.00
KA-POCSAGM	License to add POCSAG capability	457.50	610.00
KA-SI-T2M	License to allow Simulcast operation	3,802.50	5,070.00
KA-1+1M	License required for Hot Stand-by configuration Note : Must purchase additional KA repeater.	204.00	272.00
KA-GT2M	SIP SW License	637.50	850.00
KA-IP-CONM	Dual-mode Analog / DMR IP Connect	NC	NC
KA-TR-SSM	Tier 3 Single Site License	3,750.00	5,000.00
KA-TR-MSM	Tier 3 Multi Site MultiFreq License	5,625.00	7,500.00
KA-TR-MSSM	Tier 3 Multi Site Simulcast License	9,937.50	13,250.00
KA-P25M	Conventional P25 Phase1 License	1,777.50	2,370.00
PROGRAMMIN	G SOFTWARE	EPL	LIST
KA-MNGM	Technical Documentation and Programming Software	153.75	205.00
NETWORK MAI	NAGEMENT	EPL	LIST
KA-NETM	IP-Based DMR_NetControl	1,425.00	1,900.00

KA-NMSM	Network Management System	5,625.00	7,500.00
DESIGN SERVICE			
	Complex Network Design and Programming		. .
NTW-PROGM	Contact the Regional Sales Manager for your area to obtain a custom quote based on specific requirements, conditions, and environment.	Custom	Custom
	System Design and Programming		
SYS-PROGM	Contact the Regional Sales Manager for your area to obtain a custom quote based on specific requirements, conditions, and environment.	Custom	Custom
REPEATER MOI	JNT (Mandatory mount option for rack mounting)	EPL	LIST
KA-RK1v2-BPM	19" Mount Panel for One KAIROS Repeaters	326.25	435.00
KA-RK2-BPM	19" Mount Panel for Two KAIROS Repeaters	326.25	435.00
KA-RK6-BPM	19" 5+1UT Rack for 6RTX	570.00	760.00
KA-VP-BPM	Front panel 10TE; required for vertical mounting configuration	80.25	107.00
HARDWARE OF		EPL	LIST
KA-GPSM	GPS Receiver for Simulcast Operation	300.00	400.00
GPS-ANTM	GPS Antenna for Simulcast Operation	300.00	400.00
DVX-UHFM	Diversity RX filter for UHF 400 - 470 MHz	750.00	1,000.00
KA-VOC-2M	Internal Imbedded DMR Vocoder, 2 Lines plus GPS Receiver	487.50	650.00
	TATION AMPLIFIER OPTIONS	EPL	LIST
Note: Includes One Cable f			LIJI
KSGPA23401	406-450MHz, 3W Input, 20-40W Output	1 240 75	1 665 00
KSGPA23401	400-450/01Hz, 3W Input, 20-40W Output 450-512MHz, 3W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23403	406-450MHz, 3W Input, 50-100W Output	1,623.75	,
KSGPA23411 KSGPA23413			2,165.00
	450-512MHz, 3W Input, 50-100W Output 403-450MHz, 3W Input, 100W Output, 5-Pack	1,623.75	2,165.00
KSGPA23702	Note: KSGMT90005 cage is required; see Mounting Configurations section below	1,680.00	2,240.00
KSGPA23703	450-512MHz, 3W Input, 100W Output, 5-Pack <u>Note:</u> KSGMT90005 cage is required; see Mounting Configurations section below	1,680.00	2,240.00
KSGPA23441	406-450MHz, 3W Input, 150W Output	2,955.00	3,940.00
KSGPA23443	450-512MHz, 3W Input, 150W Output	2,955.00	3,940.00
POWER SUPPLY	(OPTIONS	EPL	LIST
KSGPS20200	DC Switching Power Supply 13.8VDC 20A	191.25	255.00
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	356.25	475.00
	<u>Note</u> : Incompatible with 150W amplifier option. 35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger		
KSGPS20352	Note: Incompatible with 150W amplifier option.	1,016.25	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00
		501	
MOUNTING RA		EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.88	2,942.50
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet <u>Note:</u> Optional for situations where extra protection during transportation is required.	297.56	396.75
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
VP-10-BPM	Closure 10TE, for vertical mounting	75.00	100.00
VP-4-BPM	Closure 4TE, for vertical mounting	45.00	60.00

MOUNTING RA	NCK cont'd	EPL	LIST
KSGMT90005	Cage, Black, required when ordering 5-Pack Amplifiers only	506.25	675.00
Note: One switch is require	TCH & ROUTER OPTIONS ed for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When required in addition to and in conjunction with network switch equipment. Multicast Router options are also	EPL	LIST
KSGNS10008	8-Port Managed Network Switch Note: 1RU Mounting Tray (KSGUT10001) sold separately.	187.50	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	281.25	375.00
KSGRT10004	4-Port Managed VPN Router <u>Note:</u> 1RU Mounting Tray (KSGUT10001) sold separately.	281.25	375.00
KSGMS100P1	15A Power Strip, 19" Rackmount, 1RU Note: One recommended per rack when including a switch and/or router	68.25	91.00
KSGUT10001	1RU Mounting Tray Note: Provides mounting space for up to two accessories.	37.50	50.00
DUPLEXER		EPL	LIST
KSGDX13546	6 Cavity UHF BpBr Duplexer (450-470MHz Only) <u>Note</u> : Bandpass/Bandreject duplexer, 250W continuous duty. Includes one LMR-400 interface cable.	2,321.25	3,095.00
KSGDX23101	4 Cavity UHF BpBr Duplexer (450-470MHz Only) <u>Note</u> : Bandpass/Bandreject duplexer, 350W continuous duty. Includes one LMR-400 interface cable.	1,331.25	1,775.00
COMPONENTS		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,777.88	2,370.50
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00