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NOTE: Pricing subject to change without prior notice. Contact your Manufacturer's Representative or check CEvo for price verification.



Updates in May 2024 Edition

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KA160/KA450/KA500

Analog/P25/DMR VHF/UHF Repeaters - 136-174 MHz / 400-520 MHz



GENERAL FEATURES

- Analog FM 12.5 kHz
- Digital 12.5 kHz
- DMR Tier II simulcast repeaters
- P25 conventional and simulcast repeaters
- 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 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 25W, 40W, 50W, 100W, 110W or 150W options.
- Custom configurations are also available; contact your KENWOOD Systems Regional Sales Manager for more details.

KAIROS REPEATER AND GATEWAY

LIST

KA160	KAIROS DMR VHF (136-174 MHz) REPEATER, 1-25W	\$ 4,247.00
KA450	KAIROS DMR UHF LO (400-470 MHz) REPEATER, 1-25W	\$ 4,247.00
KA500	KAIROS DMR UHF HI (450-527 MHz) REPEATER, 1-25W	\$ 4,247.00
KA080	KAIROS 66-88MHz RF BACKHAUL REPEATER, 1-25W	\$ 4,610.40

REPEATER MOUNT (Mandatory mount option for rack mounting)

LIST

KA-RK1V2-BPM	19" MOUNT PANEL FOR 1 KAIROS REPEATER	\$ 550.90
KA-RK2-BPM	19" MOUNT PANEL FOR 2 KAIROS REPEATER	\$ 550.90

Kairos Software Options

LIST

DMR Tier 2		LIST
KA-SI-T2M	TIER 2 SIMULCAST LICENSE	\$ 6,673.50
P25		LIST
KA-P25	CONVENTIONAL P25 LICENSE	\$ 4,853.00
KA-P25-SI	COMBO SW LICENSE P25+SIMULCAST	\$ 11,525.90
Alarm Monitoring and Other		LIST
KA-NET-RCM	NETCONTROL - MONITORING AND REMOTE CONTROL SW	\$ 223.10
KA-1+1M	KIT AND SW FOR HOT STAND-BY CONFIGURATION <i>Note : Must purchase additional KA repeater.</i>	\$ 294.40
KA-MCTCSSM	MCTCSS SW LICENSE	\$ 294.40
KA-POCSAG	POCSAG KAIROS	\$ 698.60

IP Gateway Software License

LIST

IPGW-1013	IP GATEWAY WITH SERVER, SOFTWARE, INSTALLATION	\$ 5,697.00
KWD-1013T2	DMR TIER II LICENSE	\$ 1,709.60
KAGW-1013	KAIROS GATEWAY	\$ 4,052.60

KAS-20 Console

LIST

KAS-20K	DISPATCH CLIENT LICENSE	\$ -
KWD-20S-MCK	MULTI-CLIENT LICENSE	\$ 2,430.00
KWD-20S-RSK	RF SYSTEM LICENSE	\$ 2,430.00
KWD-20C-VDK	VOICE DISPATCH LICENSE	\$ 720.40
KWD-20C-VPK	VOICE PATH LICENSE	\$ 720.40
KWD-20S-VRK	VOICE RECORD LICENSE	\$ 2,430.00
KWD-20C-LMK	LOCATION MANAGEMENT LICENSE	\$ 720.40

AMPLIFIER (OPTION) - ONE PER REPEATER

LIST

Note: Includes One Cable for Radio Connectivity.		
KSGPA22540	136-174MHZ, 25W Input, 100W Output with T/R Switch	\$ 2,709.00

KSGPA22440	136-174MHZ, 3W Input, 100W Output with T/R Switch	\$ 2,988.70
KSGPA22523	136-174MHz, 25W Input, 25-50W Output, with T/R Switch	\$ 2,169.00
KSGPA22260	136-174 MHz, 2-5W Input, 250W Output, 48V, with T/R Switch	\$ 5,253.75
KSGPA22456	136-174 MHz, 2-5W Input, 150W Output, 48V, with T/R Switch	\$ 5,253.75
KSGPA22423	136-174MHz, 3W Input, 25-50W Output, with T/R Switch	\$ 2,374.30
KSGPA22403	136-174MHz, 3W Input, 25-50W Output	\$ 1,867.50
KSGPA22503	136-174MHz, 25W Input, 25-50W Output	\$ 1,867.00
KSGPA22415	136-174MHz 3W Input 100W Output	\$ 2,577.00
KSGPA22515	136-174MHz, 25W Input, 100W Output	\$ 2,405.25
KSGPA22455	136-174 MHz, 2-5W Input, 150W Output, 48V	\$ 4,918.50
KSGPA22259	136-174 MHz, 2-5W Input, 250W Output, 48V	\$ 4,918.50
KSGPA23704	136-174MHz, 3W Input, 50W Output, 5-Pack	\$ 1,872.00
KSGPA22416	136-174MHz, 3W Input, 100W Output, 5-Pack	\$ 2,405.25
KSGPA23520	450-512MHz, 25W Input, 50-100W Output, with T/R Switch	\$ 3,062.25
KSGPA23421	406-450MHz, 3W Input, 20-40W Output, with T/R Switch	\$ 2,475.00
KSGPA23423	450-512MHz, 3W Input, 20-40W Output, with T/R Switch	\$ 2,475.00
KSGPA23420	450-512MHz, 3W Input, 50-100W Output, with T/R Switch	\$ 3,062.25
KSGPA23453	450-512MHz, 3W Input, 100W Output, with T/R Switch	\$ 4,811.00
KSGPA23551	406-450MHz, 25W Input, 150W Output, with T/R Switch	\$ 4,811.00
KSGPA23401	406-450MHz, 3W Input, 20-40W Output	\$ 2,175.75
KSGPA23403	450-512MHz, 3W Input, 20-40W Output	\$ 2,175.75
KSGPA23501	406-450MHz, 25W Input, 20-40W Output	\$ 2,175.75
KSGPA23503	450-512MHz, 25W Input, 20-40W Output	\$ 2,175.75
KSGPA23411	406-450MHz, 3W Input, 50-100W Output	\$ 2,763.00
KSGPA23413	450-512MHz, 3W Input, 50-100W Output	\$ 2,763.00
KSGPA23513	450-512MHz, 25W Input, 50-100W Output	\$ 2,763.00
KSGPA23511	406-450MHz, 25W Input, 50-100W Output	\$ 2,763.00
KSGPA23451	406-450MHz 3W Input 150W Output	\$ 4,811.00
KSGPA23443	450-512MHz, 3W Input, 150W Output	\$ 4,227.75
KSGPA23541	406-450MHz, 25W Input, 150W Output	\$ 4,227.75
KSGPA23543	450-512MHz, 25W Input, 150W Output	\$ 4,227.75
KSGPA23562	450-512MHz, 25W Input, 50-100W Output	\$ 14,874.75
KSGPA23563	450-512MHz, 25W Input, 50-100W Output	\$ 14,874.75
KSGPA23560	450-512MHz, 25W Input, 250W Output	\$ 14,874.75
KSGPA23561	450-512MHz, 25W Input, 50-100W Output	\$ 14,874.75
KSGPA23707	450-450MHz, 2-5W Input, 50W Output 5-Pack	\$ 2,178.00
KSGPA23705	450-512MHz, 3W Input, 50W Output, 5-Pack	\$ 2,178.00
KSGPA22252	450-512 MHz, 5-10W Input, 50W Output 5-Pack	\$ 2,178.00
KSGPA23708	403-450MHz, 5-10W Input, 50W Output, 5-Pack	\$ 2,178.00
KSGPA23702	403-450MHz, 3W Input, 100W Output, 5-Pack	\$ 2,763.00
KSGPA23703	450-512MHz, 3W Input, 100W Output, 5-Pack	\$ 2,763.00
KSGPA23052	403-450 MHz 5-10W Input 100W Output 5-Pack	\$ 2,763.00
KSGPA23713	450-512 MHz 5-10W Input 100W Output 5 -Pack	\$ 2,763.00
KSGPA23706	450-512 MHz, 25W Input, 100W Output 5-Pack	\$ 2,763.00
KSGMT90005	RACK, BLACK, 5-PACK <i>Note : Must be ordered when Vertical Mount (KSGPA22723 or KSGPA22724 is ordered. One rack can hold up to 5 amplifier</i>	\$ 712.00
DUPLEXER (OPTION) - ONE PER REPEATER		LIST
KSGDX12556	DUPLEXER 6 CAVITY VHF BPBR <i>Note : Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable</i>	\$ 6,263.00
KSGDX13546	DUPLEXER 6 CAVITY UHF BPBR (450-470MHz ONLY) <i>Note : Bandpass/Bandreject duplexer, 250W continuous duty. Includes one LMR-400 interface cable.</i>	\$ 5,060.00
KSGDX23101	DUPLEXER 4 CAVITY UHF BPBR (450-470MHz ONLY) <i>Note : Bandpass/Bandreject duplexer, 350W continuous duty. Includes one LMR-400 interface cable.</i>	\$ 1,812.00
KSGDX28693	4 Cavity UHF BpBr Duplexer (470-512MHz Only)	\$ 1,812.00
HARDWARE OPTIONS		LIST
KA-24BFSM	EXTENSION CONNECTOR FOR RX (MULTICOUPLER) <i>Note : Order if you want to not connect the cables directly to the repeater, instead you want to connect through a flexible cable</i>	\$ 47.00

KA-24NFSM	EXTENSION CONNECTOR FOR GPS, TX, RX (ANT/DUPLXR) <i>Note : Order if you want to not connect the cables directly to the repeater, instead you want to connect through a flexible cable</i>	\$ 47.00
KA-VOC-2M	ANALOG 4-WIRE TO DIGITAL (DMR) CONVERTER <i>Note : Optional item, only if you want to convert analog 4-wire audio to DMR</i>	\$ 788.90
3351557001	GPS ANTENNA SECURE SYNC KIT <i>Note : Order one per site. Provides antenna connection to the GPS receiver for simulcast repeaters</i>	\$ 580.00
3351558001	GPS ANTENNA SURGE SUPPRESSOR <i>Note : Optional, item. Protects the GPS receiver inside the repeater from surges</i>	\$ 580.00
KA-GPSM	GPS RECEIVER	\$ 485.30
POWER SUPPLY OPTIONS		LIST
KSGPS20200	POWER SUPPLY, 20A, 13.8VDC <i>Note : when operating repeater without AMP - 25W - incompatible with amplifier</i>	\$ 304.20
KSGPS20400	POWER SUPPLY, 40A ,13.8VDC, 19" WIDE RACK MOUNTED <i>Note :upto 100W one per repeater , Incompatible with 150W or 250W amplifier option</i>	\$ 566.70
KSGPS20352	POWER SUPPLY, 35A, 13.8VDC, 19" WIDE RACK MOUNTED WITH SMART CHARGER <i>Note : Incompatible with 150W or 250W amplifier option. - one per repeater - up to 100W</i>	\$ 1,430.00
KSGPS20701	POWER SUPPLY, 70A, 13.8VDC, 19" WIDE RACK MOUNTED <i>Note : one 150/250W repeater or two 100 W</i>	\$ 1,430.00
KSGPS20702	POWER SUPPLY 70A, 13.8VDC, 19" WIDE RACK MOUNTED WITH SMART CHARGER <i>Note : one 150/250W repeater</i>	\$ 1,836.00
MOUNTING RACK		LIST
KSGMCAB4	77" (40RU) LOCKING CABINET WITH CRATE	\$ 3,104.00
KSGMRCK3	3' (17RU) ALUMINUM EQUIPMENT RACK WITH CRATE	\$ 1,139.00
KSGMRCK7	7' (45RU) ALUMINUM EQUIPMENT RACK WITH CRATE	\$ 2,266.00
KSGMT20020	42" (20RU) LOCKING CABINET	\$ 2,110.00
KSGMT0C20U	CRATE FOR 42" (20RU) LOCKING CABINET <i>Note : Optional for situations where extra protection during transportation is required.</i>	\$ 1,416.80
KSGMT20001	CABINET SOLID TOP PANEL	\$ 95.00
KSGMT20002	CABINET FAN TOP ASSEMBLY	\$ 459.00
VP-10-BPM	CLOSURE 10TE, FOR VERTICAL MOUNTING	\$ 114.48
VP-4-BPM	CLOSURE 4TE, FOR VERTICAL MOUNTING	\$ 64.80
ERNET SWITCH & ROUTER OPTIONS		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. The HPE ARUBA 6000 and HPE ARUBA 6100 Series switches are exclusively tested for Unicast networks only. Their qualification for multicast networks is pending.		
KSGNS50008	CISCO 350 SERIES 8-PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 962.98
KSGNS50016	CISCO 350 SERIES 16-PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 1,010.23
KSGNS50024	CISCO 350 SERIES 24-PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 1,354.48
KSGNS50048	CISCO 350 SERIES 48-PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 2,180.23
KSGNS1008	CISCO CATALYST 1000 SERIES 8 PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 807.73
KSGNS1016	CISCO CATALYST 1000 SERIES 16 PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU , mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 1,672.00
KSGNS1024	CISCO CATALYST 1000 SERIES 24 PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 1,575.00
KSGNS1048	CISCO CATALYST 1000 SERIES 48 PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 2,337.73
KSGNS60012	HPE ARUBA 6000 SERIES 12-PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 1,815.73
KSGNS60024	HPE ARUBA 6000 SERIES 24-PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 2,002.48

KSGNS60048	HPE ARUBA 6000 SERIES 48-PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 3,406.48
KSGNS61012	HPE ARUBA 6100 SERIES 12-PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 2,733.73
KSGNS61024	HPE ARUBA 6100 SERIES 24-PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 4,427.98
KSGNS61048	HPE ARUBA 6100 SERIES 48-PORT SWITCH <i>Note: Rack-mountable, occupies 1 RU, mounting options: KSGMRCK3, KSGMRCK7</i>	\$ 6,502.48
KSGUT10001	MOUNTING TRAY, 1RU <i>Note : Provides mounting space for up to two accessories</i>	\$ 123.50
KSGMS100P1	15A POWER STRIP, 19" RACKMOUNT, 1RU <i>Note : One recommended per rack when including a switch and/or router</i>	\$ 154.00
KSGRT2003	ROUTER	\$ 4,249.44
SERVICE		LIST
3392400001	KAiOS AND NX COVERAGE ANALYSIS & TDI STUDY-1st SITE	\$ 175.00
3392400002	KAiOS AND NX COVERAGE ANALYSIS & TDI STUDY-EACH ADDITIONAL SITE	\$ 125.00
3392500001	IMPLEMENTATION SUPPORT SERVICE (1 HOUR)	\$ 248.00
3392600001	NETWORK DESIGN(1 HOUR)	\$ 248.00
3392600002	NETWORK DESIGN REVIEW(1 HOUR)	\$ 248.00
3392600003	NETWORK CONFIGURATION(PER DEVICE)	\$ 496.00
3392600004	NETWORK TROUBLESHOOTING(1 HOUR)	\$ 248.00
3392700001	SYSTEM DESIGN ASSISTANCE(1 HOUR)	\$ 248.00
TRAINING		LIST
339TRNGK101	Kairos Basic Training - In House	\$ 1,980.00
339TRNGK001	Kairos Basic Training - On Site	\$ 5,060.00