KENWOOD

BOUNDLESS
Push To Talk Over Cellular Communication Device

GPS

KWSA80K
ULTRA-RUGGED PTT SMARTPHONE DEVICE

Operation critical situations require smart communication, data sharing and connectivity more than ever before. And in extreme conditions, no ordinary smartphone will do. Built to the toughest standards in the industry, KENWOOD Rugged Performance Standards. Communicate securely with Handset Powered Audio Accessories connected through the SecureAudio Connector. Install, manage and control communications more efficiently with Hassle-Free Deployment and the SCOUT Enterprise XPerience (Powerd by Sonim). Access programmable buttons and applications in any condition with Gloved hand/Wet finger operation and enjoy all-day power with Multi-shift Battery Life. For those who protect, who provide, who build - handset failure is not an option. The Kenwood KWSA80K is built to meet the toughest industry standards for everyday use and business critical system integration.

Features

Unlocked GSM LTE Device
Android N Operating System
4GB RAM / 64GB ROM
45GB Available User Memory
Dedicated Keys:
Push-to-talk
Volume Up / Volume Down
Emergency Key
Power
Navigation (Home/Back/Recent)
Programmable Key
5.0" 1080 x 1920 Display in Gorilla Glass 3
100dB+ Dual Loud Speaker
3 Mic Solution with Noise Cancellation
Nationwide Connectivity to Your Core Radio System (Optional)
Quick Charge 4.0 via USB-C
12MP PDAF Rear Camera with Flash, 8MP FF Front Camera
Wi-Fi : IEEE802.11 a/b/g/n/ac/r 2.4/5GHz
Built-in Bluetooth 5.0 with BLE
Built-in NFC
Built-in GPS
MIL-STD-810G, IP68/69
3 Year Comprehensive Warranty

Rugged Android Device
PTT Key
Powered Audio Interface w/ Locking Mechanism
Glove Friendly Tactile Keys
Glove & Wet Finger Friendly Touchscreen
Dedicated Emergency Key

Ultra Rugged
Built to resisit extreme environments caused by shock, pressure, puncture, and chemicals.

3G/4G LTE Connectivity
.Powered audio interface locking mechanism.

GSM
Global System for Mobile Communications.

Specifications

Core Platform/Functions	KWSA80K
Operating System	Android N
Chipset	Snapdragon 630 OctaCore @ 2.2GHz 64bit
Band	LTE: B1/B2/B3/B4/B5/B7/B8/B12/ B13/B14/ B20/B25/B26/B27/B28/ B29/B30/B38/B39/ B40/B41/B66 UMTS: B1/B2/B4/B5/B8 CDMA/EVDO[1]: BC0/BC1/BC10 GSM: 850/900/1800/1900MHz
Antenna	MIMO antenna for LTE
Wi-Fi	IEEE802.11 a/b/g/n/ac/r 2.4/5GHz Miracast™ - WiFi direct
Memory	4GB RAM/64GB ROM 45GB available user memory Supports up to 128GB MicroSD external memory
Preloaded Applications	SCOUT (Powered by Sonim), LoneWorker/ Man-down[2], Google Play

Connectivity	KWSA80K
Bluetooth	BT5.0 with BLE
Wi-Fi Calling	Yes
Messaging	SMS, MMS, Video Calling, OMA CPM Advanced Messaging
GPS	GPS, GLONASS, BeiDou
Sensors	Video Calling, OMA CPM Advanced Messaging[2]
NFC	Yes
Languages Supported	Visit support.google.com for a full list of languages[3]

Battery	KWSA80K
Capacity	4900mAh Li-ion, Removable
Charging	Quick Charge 4.0 via USB-C

Display	KWSA80K
Size/Type	5.0 in Gorilla Glass 3
Resolution	FHD 1080 x 1920
Colors	16.7M

1 CDMA/EVDO available for certain carriers only.
2 Please check with your service provider for availability.
3 Language availability based on region.

Physical Characteristics	KWSA80K
Size (W x H x D) (Exclude protrusion)	157.9mm x 79.1mm x 18mm
Weight	350g
Dedicated Buttons	PTT, Volume Up/Down, Emergency, Power On/Off, Navigation (Home/Back/Recent), Programmable Button
Ports	Optional connector(for future options), USB-C, Secure Audio Connector, Charging Pins, Dual Nano SIM Slots
ATEX/IECEx Certified	Ex II 3G Ex ic IIC T4 Gc IP64 Ex II 3D Ex ic IIIC T135°C Dc IP64
Intrinsically safe OP	Non-Incendive Class I, Div 2, Groups A, B, C, D; Class II & III, Div 2, Groups F, G
MIL-STD / IP Rating	MIL-STD-810G / IP68, 69

Audio	KWSA80K
Microphone	3 mic solution with noise cancellation
Speaker	Dual front-facing loud speakers; output 100dB+
HAC	M4/T4 Hearing Aid Compatible

Multimedia	KWSA80K
Audio Formats	AMR-NB, AMR-WB, AAC, AAC+, AAC+V2, MP3
Video Formats	3GPP, MP4, WMV, AVI, MOV, MPEG-2, MPEG-4, H.263, H.264, H.265
Graphic	JPEG, PNG, BMP
Media Player	Yes
FM Radio	Yes
Camera	12MP PDAF Rear Camera with Flash 8MP FF Front Camera without Flash
LED Torch Light	Yes

Inbox Accessories	KWSA80K
	Battery, Wall Charger, USB-C Cable, Screwdriver, Quick Start Guide

Specifications are subject change without notice, due to advancements in technology.

SD and microSD are trademarks of SD-3C, LLC in the United States, and/or other countries.
All other trademarks are the property of their respective holders.