

KWSA80K

Ultra-rugged PTT Smartphone Device

Operating critical situations require smart communication, data sharing and connectivity more than ever before, and in extreme conditions no ordinary smartphone will do. Built to industry-leading rugged performance standards, Military 810G, waterproof IP69 and an IECEx intrinsically safe rating ensure you work and thrive even in the most extreme environments.

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.



IECEx SIR 18.0030X
 Sira 18 ATEX 2077X
 II 3G Ex ic IIC T4 Gc IP64
 II 3D Ex ic IIIB T135 °C Dc IP64



Features

- Survive hazardous and extreme environments with Industry- Leading Rugged Performance Standards, MIL-STD-810 G, IP68/69 and IECEx intrinsically safe.
- Access programmable buttons and applications in any condition with Gloved hand/ Wet finger operation
- Hear every word even in the noisiest places with extremely loud & clear audio with 100dB+ speakers.
- Amplify sound with mission critical audio accessories that supports both traditional and EPTT.
- Large easy to locate duress button for increased user safety.
- Communicate more powerfully, more freely, more securely with handset powered audio accessories connected through our **SecureAudio** connector
- Enjoy all-day power with a 4900mAh Multi-shift removable Battery, with quick charging via USB-C connector.
- Get more out of your device and your workers with Android and worker productivity applications*
- Dual SIM capability and a MicroSD card slot offer choice of connectivity and memory expansion.

*Please check with your service provider for availability.



Core Platform/Functions

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/EVDO¹: 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	LoneWorker/Man-down ² , Google Play

Connectivity

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

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

Physical Characteristics

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
Display	
Size/Type	5.0 in Gorilla Glass 3
Resolution	FHD 1080 x 1920
Colors	16.7M
Audio	
Microphone	3 mic solution with noise cancellation
Speaker	Dual front-facing loud speakers; output 100dB+
HAC	M4/T4 Hearing Aid Compatible
Multimedia	
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	Battery, Wall Charger, USB-C Cable, Screwdriver, Quick Start Guide



CL870E-E-2