



EP821 Intelligent Large-Screen Handheld Trunking Terminal



The EP821 is equipped with an Android 8.0 Operating System (OS), a Kirin octa-core CPU, an 8-megapixel front camera, and a 13-megapixel HD rear camera. It supports a wide range of bands on both enterprise and public networks. With an IP68 rating, the EP821 can be used in public security, transportation, and energy industries, enabling professional trunking dispatching, multimedia dispatching, and broadband data services.

Product Details

Exquisite Design and Top-Notch Configurations

- » Lightweight, thin, and compact design with stylish appearance
- » Kirin octa-core CPU with a Huawei-developed LTE trunking module for security and efficiency
- » 5.0-inch HD touchscreen; scratch, shock, smudge, and stain resistant; supports all-weather touchscreen operations with gloves or wet fingers
- » HD photographs can be taken from an 8-megapixel front camera and a 13-megapixel rear camera
- » Physical Push-To-Talk (PTT) key, emergency call key, and multi-purpose key enable convenient broadband trunking services

Service Integration and Network Coordination

- » Support for two SIM cards, private networks working on 1.4 GHz/1.8 GHz bands, and public GSM/UMTS/LTE networks allows for public/private network convergence and multi-network coordination
- » Evolution compliant with the B-TrunC and 3GPP eMBMS + MCPTT standards
- » Communications compatible with analog and digital Direct Mode Operation (DMO), anywhere and anytime
- » Stable, high-speed performance via 2.4 GHz Wi-Fi, 5 GHz Wi-Fi, 4.1 EDR Bluetooth, and NFC
- » Support for combined BeiDou, GPS, and GLONASS positioning

Superb, Secure, Reliable Performance

- » Support for audio services and broadband data services, integrated Peer-to-Peer (P2P) calls, group calls, Short Message Service (SMS), Multimedia Messaging Service (MMS), video uploads (1080p 25fps), and a mobile office with an industry-leading multimedia dispatching algorithm
- » 2.5 W speaker with dual microphones for noise reduction and an anti-feedback algorithm for clear audio output, even in noisy environments
- » Support for group call setup delay of less than 300 milliseconds, call preemption delay of less than 150 milliseconds, bi-directional authentication, air interface encryption, remote enabling and disabling, and end-to-end service encryption
- » Replaceable 4,000 mAh battery with a standby time longer than 60 hours
- » Complies with MIL-STD-810G with IP68 protection rating and 1.2-meter drop resistant design

Open Platform and Abundant Applications

- » Android 8.0 OS supports countless applications for public security, transportation, and energy industries
- » Compatible with a wide range of professional accessories and industry applications
- » Open platform with hardware and software interfaces for further development

Specifications

Item	Specification
RF Specifications	
Bands (Enterprise Network)	1.4 GHz: 1,447 MHz to 1,467 MHz 1.8 GHz: 1,785 MHz to 1,805 MHz
Other Bands	Band 20/26/28/68
Bands (Public Network)	GSM: 900 MHz/1,800 MHz/1,900 MHz UMTS: B1/B2/B8 LTE: Band 1/2/3/4/5/7/8/20/26/28/38/39/40/41/68
Operating Bandwidth	1.4 GHz: 5 MHz/10 MHz/20 MHz 1.8 GHz: 1.4 MHz/3 MHz/5 MHz/10 MHz/15 MHz/20 MHz Others: 3GPP TS 36.101-compliant
Hardware Specifications	
Processor	Kirin octa-core CPU
Display	5-inch 1,920 x 1,080 touchscreen
Built-in Memory	3 GB RAM + 32 GB flash
External Memory	MicroSD (128 GB)
Rear Camera	13-megapixel
Front Camera	8-megapixel
Battery Capacity	Replaceable 4,000 mAh battery with a standby time longer than 60 hours
Speaker Power	2.5 W (Max)
Positioning	BeiDou, GPS, and GLONASS
Wi-Fi	2.4 GHz and 5 GHz, IEEE802.11 b/g/n
Bluetooth	4.1 EDR
NFC	Supported
External Port	3.5 mm HDMI earphone
SIM Card Type	Physical SIM card (dual slots, Micro-SIM)
Physical Specifications	
Dimensions (H x W x D)	158 mm x 76 mm x 20 mm
Weight	Less than 340 g (antenna and battery included)
IP Rating	IP68, 1.2-meter drop resistant design, MIL-STD-810G-compliant
Operating Temperature	-20°C to +55°C
Storage Temperature	Host: -40°C to +85°C
Humidity	Relative Humidity: 5% to 95% (non-condensing)
Peripherals and Accessories	
Audio Accessories (optional)	Bluetooth earphone, Bluetooth remote speaker microphone, throat microphone, air conduit earphone, lightweight headset, and noise-canceling headphone
Video Accessories (optional)	Video recorder and headband camera
Others (optional)	Bluetooth PTT key
Operation and Maintenance	
Automatic remote software updates and parameter reconfiguration using Over-The-Air (OTA), eliminates the need for hardware uninstallation to perform manual updates. Support for a wide range of industry applications.	