

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 transportation, and energy industries, enabling professional trunking dispatching, multimedia dispatching, and broadband data services.

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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 touchsreen 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, enterprise networks working on 1.4 GHz/ 1.8GHz bands, and public GSM/UMTS/LTE networks allows for public/ enterprise network convergence and multi-network coordination
» Evolution compliant with the B-TrunC and 3GPPstandards
» 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

Superb, Secure,Reliable Performance

» Supportforaudio services and broadband data services,integrated Peer-to-Peer (P2P) calls, group calls,Short Message Service (SMS),Multimedia Messaging Service(MMS),videouploads (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 ofless than 150 milliseconds,bi-directional authentication,airinterface 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 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	
Enterprise network operating bands	**EP821:** 1.4G: 1447 to 1467MHz 1.8G: 1785 to 1805MHz Others: Band 20/26/28/68 **EP821-D45:** 400M: 380 to 450MHz Others: Band 20/28/31/68 **NOTE:** Band68 supports only 698 to 703MHz (uplink) and 753 to 758MHz (downlink).
Public network operating bands	**EP821:** GSM: 900/1800/1900 UMTS: B1/B2/B8 LTE: Band 1/2/3/4/5/7/8/20/26/28/38/39/40/41 **EP821-D45:** GSM: 900/1800/1900 UMTS: B1/B2 LTE: Band 1/2/3/4/7/20/28/31/38
Direct Mode Operation (DMO) operating bands	**EP821:**380 to 470MHz **EP821-D45:**380 to 470MHz
Operating bandwidth	400M: 3MHz/5MHz/10Mhz/20MHz 1.4G: 5MHz/10MHz/15MHz/20MHz 1.8G: 3MHz/5MHz/10MHz/15MHz/20MHz Others meet with 3GPP 36.101's requirements.
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 Storage	Up to 128 GB (MicroSD)
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)
Wi-Fi	2.4 GHz and 5 GHz,IEEE802.11 b/g/n
Bluetooth	4.1 EDR
NFC	Supported
External Ports	High Definition Multimedia Interface (HDMI) port: Audio, USB, OTG, and serial port and so on
SIM CardType	Physical SIM card (dual slots,Micro-SIM)
Physical Specifications	
Dimensions (H x W xD)	161 mm x 75 mm x 21 mm
Weight	Less than 364 g (antenna and battery included)
IP Rating	IP68,1.2-meter drop resistant design, MIL-STD-810G-compliant
Working temperature	–20°C to +55°C
Saving temperature	phone body: -40°C to +85°C battery in a month: -20°C to +45°C battery in three months: -20°C to +25°C
Humidity	Relative Humidity:5% to 95% (non-condensing)

Accessories


Battery


Charging Base


Portable Bag


Head-mounted Camera


Bluetooth Earphone


Bluetooth PTT Button


Bluetooth Remote Speaker Microphone


Remote Speaker Microphone


Air Conduit Earphone


Throat Mic


Denoise Headset


Light Weight Headset

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