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TYSH-221220

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EP822

Intelligent Large-screen
Trunking Terminal

Product Overview



The EP822 is a high-end large-screen terminal for broadband trunking communication that supports public and enterprise network convergence, provides powerful functions and high reliability, and engage with various industry applications. It supports functions such as the private call, group call, SMS/MMS services, broadband data access, video dispatching, and multi-service concurrency. The EP822 is equipped with HD touchscreen, three front- and rear-cameras, a large memory, and a high-capacity removable battery. With the latest Android (EMUI) intelligent OS, the EP822 can be widely used in industries, such as safe city, transportation, and energy, implementing professional trunking dispatching, multimedia dispatching, and broadband data transmission.

Product Features

Standard professional Mission Critical Services

- 3GPP (eMBMS+MCS)/ B-TrunC specifications
- Multi-mode and multi-band
- PTT/SOS button
- Various professional accessories

Autonomous chips and excellent performance

- China-developed Octa-core processor
- Independent BeiDou positioning, more secure and reliable
- 5.0-inch 1080p HD touchscreen
- 48MP + 8MP rear-camera and 8MP front-camera
- 2*5100 mAH battery&9V/2A fast charging

Reliable and durable

- IP68 & MIL-STD 810G
- Immersed 1.5m underwater for 40minutes
- Anti-dropping of 1.5m

Security enhancement

- E2E encryption for user information security
- EMUI intelligent OS hardening with enhanced robustness
- MDM security management

Technical specification

Dimensions (H x W x D)	161mm x 75mm x 21mm, excluding antenna	Flash	Supported
Weight	360g (including the antenna and battery)	Internal storage	6GB RAM + 128GB FLASH
Battery capacity	5100 (mAH)	External storage	Up to 256GB (TF card)
Screen size	5-inch	Speaker power	3W
Resolution	1920 × 1080	Wi-Fi	2.4GHz and 5GHz, IEEE 802.11b/g/n
Touchscreen	Supported	Bluetooth	5.1 EDR
Front camera	8.0mega pixels	NFC	Supported
Rear camera	48 + 8.0mega pixels	UE capability level	UL Cat 13 / DL CAT 12
Positioning	Global Positioning System (GPS), BeiDou Navigation Satellite System (BDS), Global Navigation Satellite System (GLONASS) Support independent BeiDou positioning		
Enterprise network operating bands	**EP822**: 1.4G: 1447 MHz to 1467 MHz 1.8 G: 1785 MHz to 1805 MHz Others: Band 20/26/28/68* **EP822-D06**: TDD 1.4G: 1447~1467MHz TDD 1430M: 1430~1445MHz TDD 1.8G: 1785~1805MHz TDD 600MHz: 566～678MHz		
Public network operating bands	**EP822**: GSM: 900/1800/1900MHz UMTS: B1/B2/B8 LTE: Band 1/2/3/4/5/7/8/20/26/28/38/39/40/41* **EP822-D06**: GSM: 900/1800/1900 UMTS: B1/B2/B8 LTE: Band 1/2/3/5/8/38/39/40/41		
Direct Mode Operation (DMO) operating bands	**EP822**: 380 MHz to 470 MHz **EP822-D06**: 380 MHz to 420 MHz		
Dual-SIM cards	Supports Dual-SIM cards		
External ports	HDMI port, supporting audio, USB, OTG, and serial ports		
SIM card type	Physical SIM card (dual slots for micro-SIM card)		
Working hours	Standby duration > 60hours GIS+group call > 16hours DMO > 16hours Video surveillance > 4hours (The standby time depends on the network configuration, service model, frequency band in use, and test environment. The actual values are based on site tests.)		

*Band 68 supports only 698 MHz to 703 MHz (UL) and 753 MHz to 758 MHz (DL).