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TYSH-220214



EP631S

Professional Broadband Trunking Terminal

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As a powerful high-end 4G broadband trunking hand-held terminal among private network industry applications, EP631S could simultaneously support private call, group call, digital DMO, SMS/MMS, broadband data access, external video services and multi-service concurrency. It provides broadband voice and data platform specifically designed for industry users, so as to meet professional needs of users.

It could be widely used in public security, energy, transportation and other fields to perform professional trunking dispatching, multimedia dispatching, and broad-band data functions.





Product features

EP631S as a whole is designed with the traditional appearance of intercom, but also treated with innovative and compact design for public security - thinner, lighter, and more comfortable for holding.

In addition to supporting the voice functions of the traditional trunking system, EP631S is equipped with the updated Android 6.0 smart operating system to adapt to more industrial smart applications, and it also provides LTE broadband data access capability.

One terminal to support voice trunking, GIS and data services at the same time, and capable of backhauling the video from external cameras

- With 8-core CPU, 16G memory, it inherits the mainstream high-end hardware configuration in the industry and supports external HDMI cameras.

Excellent performance to meet the needs of professional users

- The time delay of group establishment is less than 300 ms, and that of speaking right acquisition is less than 150 ms.
- High-definition voice quality attributable to dual MIC noise reduction makes it possible to work normally under strong background noise.
- Public and private network dual modes contribute to full-frequency voice and data services.
- The 2W loudspeaker allows clear reception of voice information in a highly noisy environment.
- The working time of group call is greater than 16H, which meets the demand of long operation hours every day.
- It supports digital DMO, with a line-of-sight communication distance of up to 5 km and of 2.5 km in urban areas, and it can also support DMO encrypted call.

Customized according to the needs of industry users, and easy to use

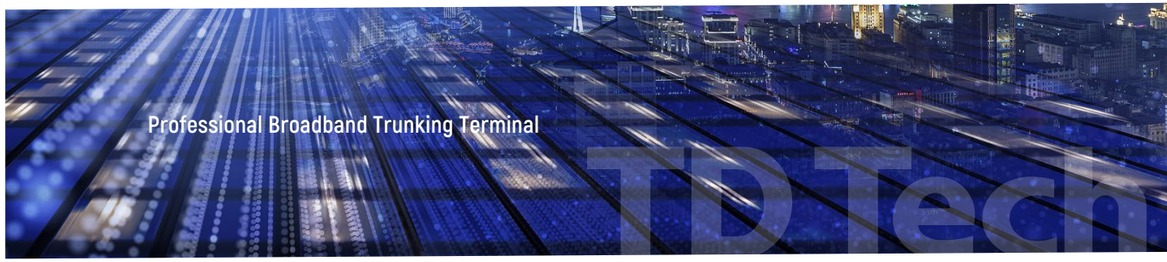
- 2.0-inch QVGA semi-transparent semi-reflective display screen, with the content displayed still clearly visible under strong direct light.
- EP631S supports digital DMO with strong anti-interference capability, and DMO helps to perform communications anywhere.
- Remote automatic software upgrade and parameter change could be directly performed via OTA, without any hardware recycling or manual terminal operation.
- It is equipped with the Android 6.0 smart operating system, and could adapt to more industrial applications and help you greatly improve work efficiency.

Lots of frequency bands supported to satisfy the needs of the industry for multiple bands

- It supports 400M/14G/1.8G and abundant mainstream frequency bands of TDD/FDD operators.

With high IP rating to adapt to various harsh environments

- Drop, impact, salt spray, and solar radiation.



Product Specifications

Physical specification	
Dimensions (H×W×D)	139mm×58mm×29mm
Weight	⩽292g (including antenna & battery)
Display	2.0-inch QVGA, semi-reflective semi-transparent TFT

IP rating
IP65

RF specification	
Working band for private network	• 400M: 380~410MHz • 11.4G: 1,447~1,467MHz
Working band for public network	• GSM: 900/1800/1900 • UMTS: Band 1/2/8 • LTE: Band 1/2/3/4/5/7/8/20/26/28/38/39/40/41
Working band for DMO	380~470MHz
Power class	• 400M: 26±2dBm • 1.4G/1.8G/Band20/Band26/Band28: 24 ± 2dBm • Others: 23±2dBm • DMO: 30±2dBm
Operating bandwidth	• 400M: 3MHz/5MHz/10MHz/20MHz • 1.4G: 5MHz/10MHz/20MHz • 1.8G: 5MHz/10MHz/15MHz/20MHz • Others: Meeting the requirements of 3GPP 36.101

Environmental specification	
Working temperature	-20°C~+55°C
Working humidity	5%~95% (no condensation)
Storage temperature (without battery)	-40°C~+85°C

Peripherals and accessories


Lightweight rear-mounted headset


Special terminal back splint


Desktop charging seat

EP631S antenna set


Air tube headset-HDMI


Split speaker microphone


Bluetooth headset


Bluetooth handheld


Bluetooth PTT key


Throat vibration earphone-HDMI


Heavy duty noise reduction headset-HDMI


Headset camera


EP631S lithium battery