



WE CREATE VALUE WITH PROFESSION AND INNOVATION

Designed with customer demands in mind, the PNE380 is easy to carry and operate. It features flexible networking and fast deployment, supports multiple bands and communication modes, and delivers customer the mission-critical voice, data and video services to improve the efficiency of frontline people in public safety, emergency rescue, field operations, unmanned operation and more.



Specifications

General	
Processor	Octa-core Cortex-A53@1.8 GHz
OS	Android 6.0
Screen	OLED 1.3" 128 x 64
Memory/Storage	2GB RAM+16GB ROM (optional), 128GB Micro SD
Audio	PTT audio (VoIP), multi-party conference etc.
Data	File Transfer, IMS, GIS, AloT etc.
Video	Mobile Surveillance, video conference etc.
Interfaces	20-pin connector/Type-C/Wi-Fi/BT Optional: Ethernet-to-USB adapter, HDMI-to-USB adapter
Card Slot	Nano SIM Card, Micro SD Card
Encrypt	AES256 / Snow3G, supports third-party hardware encryption
Battery	Removable Li-ion battery 2400mAh (Std.) and 4000mAh(Opt.)
Battery Life	Standby: 36 hours Video service: 4 hours
Charging	Desktop and type-C
WLAN	802.11 b/g/n
BT	V4.1 BDR/EDR/BLE
GNSS	GPS/BDS, FTTF 1 minute
Dimensions (H x W x D)	137.5 x 60 x 27.8 mm
Weight (including battery and Antenna)	288 g

Radio	
Waveform	Cellular, Mesh and the other customized waveform
Frequency	Cellular: 336~344MHz Mesh: 320~344 & 1430~1444MHz, 512~582 & 1430~1444MHz The other customized frequency
RF Channel	U-band: 1T1R, L-band: 1T2R
Receive Sensitivity	U-band: -101dBm@10MHz; L-band: -102dBm@10MHz
Transmit Power	0.5W (typical), 0.75W (max)
Bandwidth	3/8/10MHz, the other customized bandwidth
Throughput	30Mbps (max)
MCS	Adaptive QPSK/16QAM/64QAM
Other	AMC, Auto Frequency Scan and Selection, HARQ, Frequency-Selection scheduling etc.,
Environment	
IP Seal Rating	IEC60529-IP67 (1.5m, 0.5h)
Reliability	MIL-STD 810G
ESD	IEC 61000-4-2 (Level 4), ±8kV (contact), ±12kV (air)
Operating Temperature	-20°C to +55°C
Storage Temperature	-30°C to +80°C
Humidity	5%~100% RH

Standard



2400mAh Li-ion Battery



Charger



Power Adapter



Type C Cable



Belt Clip



Antenna

Optional



Body Worn Camera



Helmet Camera



Helmet Camera with HDMI



Vital Sign Monitor Watch



C-style Earloop



Wireless Earpiece with PTT



Wireless PTT Ring



USB-to-Ethernet Adapter



HDMI-to-USB Adapter



4000mAh Battery



DV with HDMI



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BREAKTHROUGH & INNOVATION

PNE380

Multi-mode Mesh Radio





MISSION-CRITICAL DESIGN

Intuitive Visual Recognition / Easy Operation / Amazing Performance / Excellent User Experience



KEY FEATURES AND BENEFITS-LEADING THE INNOVATION

Superior Performance

- 4G & 5G cutting-edge technology
- Robust radio link and longer range by powerful detection ability and outstanding RF performance
- Superior anti-jamming by auto frequency selection on dual-band (U and L band)

Exceptional in Everyway

- Small size with 137 x 60 x 27.8 mm
- Light weight with 288 g
- Low power consumption with 3W (typ.)
- Long battery life 36-hour (Standby)

High Integration Capacity

- Integrating CP and AP on a SoC
- Max throughput 30Mbps (to be enhanced further)
- Max node number 16 (to be enhanced further)

Flexibility and Scalability

- Switch between mesh and cellular modes on SDR platform
- Diversity of scenarios by standalone or hybrid networking
- Strong scalability with rich interfaces and various accessories

Android OS & Edge Computing

- Superior edge computing with Octa-core A53, multimedia accelerator
- Rich mobile Apps on Android OS

Secure, Solid and Reliable

- Hardware encryption: TF or SIM card
- IP67 rated to submerge in water for 30 minutes
- MIL-STD 810G design for harsh environment

Multi-mode Mesh Radio

The use of mesh technology is exploding in professional communication for various industries. PNE380, innovated by Hytera, is the mesh radio that provides mission critical voice, data, video as well as AI services, which is built to create secure, scalable and flexible networks, for those out of cellular coverage. As the world's most miniaturized mesh radio, PNE380 frees up valuable space and weight for extreme portability. Configured with multi-band, PNE380 has the outstanding anti-jamming ability by auto frequency selection. It supports both mesh and cellular modes, for improved flexibility, and can be widely applied to a variety of mission-critical scenarios. Designed to survive harsh conditions, the PNE380 is your reliable partner you can count on at critical moment.

