

Overview

The push-to-talk (PTT) communication has been proven to be efficient and reliable in business world for decades. With the rapid evolution of mobile broadband networks, nowadays the PTT users show an ever-increasing demand for data-rich multimedia services such as images and videos which are not supported by the legacy narrowband radio systems. Leveraging the well-established broadband networks, Hytera Push-To-Talk over Cellular (PoC) solution delivers both PTT voice and large volume of data in nationwide coverage without additional wireless infrastructure investment.

Hytera PNC380 PoC radio combines the instant communication and multimedia applications into a single device. Over the 2G, 3G, 4G and WLAN networks, the device delivers rich multimedia data services, including 4G video transmission, location sharing, and instant messaging. Inheriting a large PTT button from traditional two-way radios, the PNC380 offers instantaneous one-to-one and one-to-many voice communication. The radio also features loud and clear audio, a dedicated emergency button, and a 4,000 mAh battery that lasts all day long. Rugged and durable, the radio is ideal for various application scenarios including city management, property security, logistics, major events, industrial parks, airports and more.



Highlights



Stay connected, stay informed

Leveraging the broad coverage of 2G, 3G, 4G, and WLAN networks of various carriers, the PNC380 delivers seamless communications across your country. Talk to groups or individuals instantly at a push of the PTT button, or make a telephone call with the full keypad at your will.



4G live video

Equipped with a 5 MP rear camera, the radio allows you to feed the on-site videos to the dispatcher or supervisor in real time over 4G network, improving situational awareness and facilitating decision-making.



Positioning

The PNC380 provides positioning services by using GPS, GLONASS, and BDS in combination, together with the assisted GPS technology.



IP67 and MIL-STD-810G

Certified with IP67 rating, the radio is fully protected from dust and is water-proof up to 1 meter for 30 minutes. The radio also meets the MIL-STD-810G standard to withstand 1.5-meter drop.



4,000 mAh—lasts all day long

The 4,000 mAh Li-ion battery offers over 24 hours of talk and standby time on a 5-5-90 duty cycle, and can be charged through the radio's Micro USB port.



Enhanced ergonomic design

Compact and ergonomic design, paired with the deliberate side key layout, makes the one-hand operation easy and comfortable. The anti-slip textured case ensures firm grip even in moist conditions.



Loud and clear audio

Adopting the dual-mic noise reduction technology, the radio always picks up the right voice from noisy background. The advanced acoustics design substantially elevates sound loudness and sharpness.

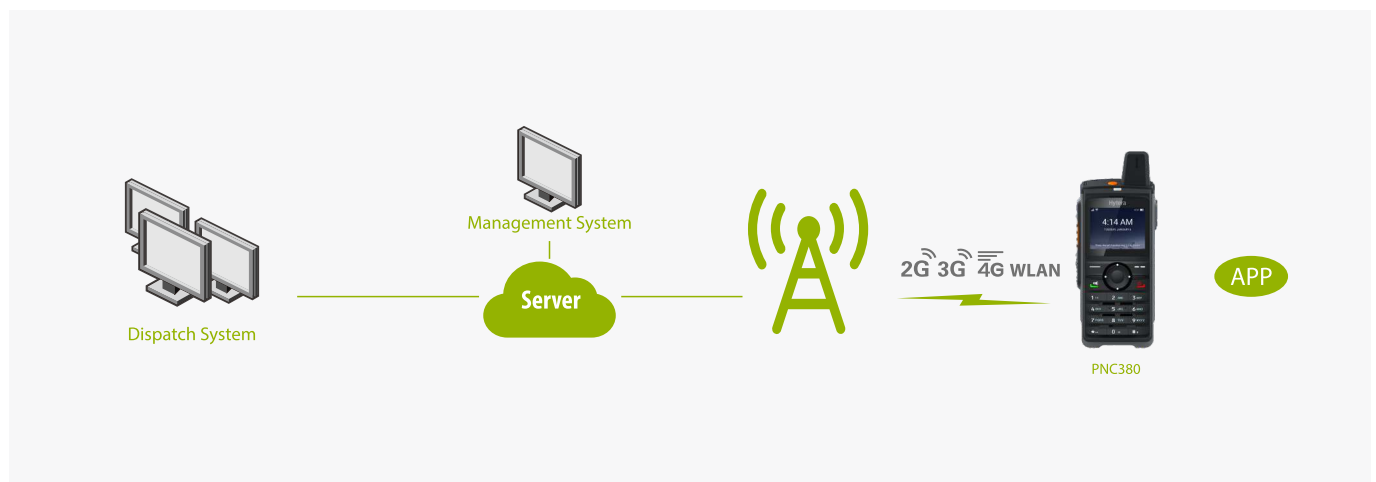


Dedicated emergency button

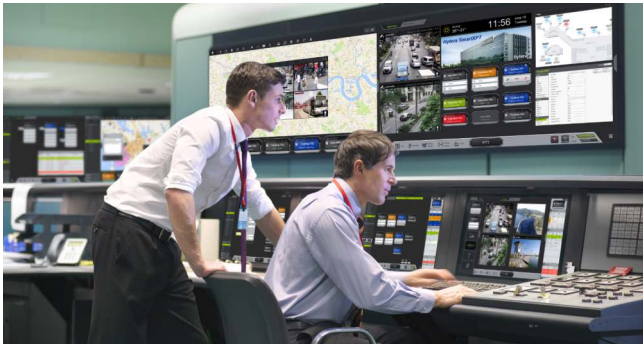
An orange emergency button on the top of the radio helps you send an emergency call to a dispatcher or supervisor in case of an emergency.

PoC Solutions

Hytera offers a one-stop PoC solution consisting of PoC radios, mobile applications, and dispatch and management platforms. This solution delivers versatile services including instantaneous one-to-one and one-to-many Push-to-Talk, full-duplex voice and video calls, map-based dispatch, and instant messaging over public networks. Applicable to various scenarios, it features low cost, high security, easy deployment, and enhanced reliability. With standard API interfaces, Hytera PoC radio is open to third-party applications and platforms for customization.



Application Scenarios



Traffic Police

With the PoC management platform, the PNC380 assists the field officers to get connected with the command center fast for quick response during an incident.



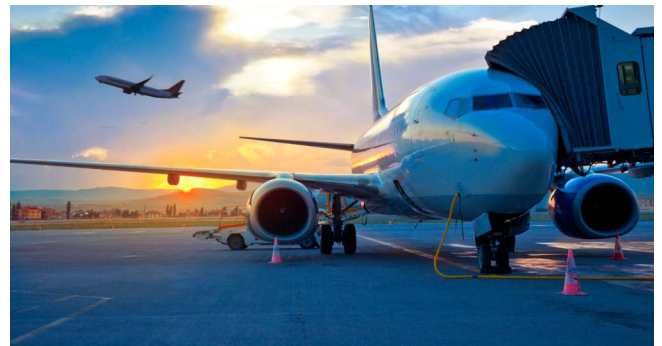
Property Security

The PNC380 embedded with an HD camera enables security guards to record and feed on-site photos and videos to supervisors during patrol.



Logistics

Supporting GPS/GLONASS/BDS/AGPS positioning, the PNC380 can report its location information to the monitoring office to help the supervisor track the location and movement of the goods.



Airports

Using the dual-mic noise reduction technology, the PNC380 eliminates the background noise and produces loud and clear audio in a highly noisy environment such as the airport.



Major Events

The PNC380 offers long distance communications to dispersed users and groups over 2G/3G/4G/WLAN networks for fast collaboration and quick response.



Industrial Parks

The PNC380 utilizes the well-established public networks to deliver instant voice and data communication without the need to build a new, dedicated private network.

Specifications

General		
Configuration	Basic	Pro
Frequency	Asia, Europe, Middle East, and Africa (B8): GSM: 850/900/1800/1900 CDMA: BC0 WCDMA: B1/B3/B5/B8 TD-SCDMA: B34/B39 TDD-LTE: B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B7/B8/B18/B19/B20/B26/B27/B28	
Screen size	2 inches	
Screen resolution	320 x 240	
Keypad	Full keypad	
Dimensions (H x W x D)	145.1 mm x 60 mm x 26.1 mm	
Weight	208 g (with battery and antenna)	
Ingress Protection	IP67	
Drop resistance	1.2 m	
RAM	512 MB	1 GB
ROM	4 GB	8 GB
Extended memory	Micro SD/TF card: Maximum 32 G	
Battery	4000 mAh, battery life ≥ 24 h (5-5-90 duty cycle), replaceable	
Battery operating voltage	3.85 V	
Charging mode	Micro USB 2.0 (5 V/1.4 A)	Micro USB 2.0 (5 V/2 A)
Data		
WLAN	2.4 GHz and 5 GHz	
BT	BT 4.1	
NFC	/	Supported
Positioning	GPS/GLONASS/BDS/AGPS	
Audio, Video, and Image		
Camera	/	5 MP rear camera
Flash	/	Supported
Video recording	/	720 P (1280x720) 30 FPS
Video file format	MPEG-4 (.mp4), 3GPP (.3gp)	
Video coding format	VP8, H.264 (BP/MP/HP), MPEG-4 (SP/ASP), H.263 (HEVC), H.265 (MP)	
Image file format	JPEG (.jpg), PNG (.png)	
Audio file format	MPEG (.m4a), 3GPP (.3gp)	
Certification		
Certification	CE/MIL-STD-810 G	

Accessories

○ Standard

○ Optional



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