

Smart Push-To-Talk Over Cellular Radio

PNC550

Instant Communication

Unlimited Possibilities



Smoother communication



Loud and clear audio



5-inch HD touchscreen



Live streaming



Ultra-long battery life



Open platform



Rugged and durable



Overview

Hytera PNC550 Push-to-Talk over Cellular (PoC) is designed to provide nationwide voice, video, and data services for you to get connected with your people over the 2G, 3G, 4G, or WLAN network.

Using the PNC550, you can feed the on-site information to the command center in real time over the 4G network to improve situational awareness for efficient dispatch. Featuring ruggedness, unparalleled audio quality, and long battery life, the PNC550 is a daily companion for those working in law enforcement, railway, customs, and electric power industry.

Highlights

Faster connections

Benefiting from dual SIM and dual 4G technology, the PNC550 provides you with a faster call connection and higher quality voice and video calls. Moreover, you can make calls while accessing the internet.



Loud and clear audio

The built-in speaker comes with howling suppression and dual-microphone noise cancellation technology, which enables the PNC550 to transmit loud and clear voice even in a crowded stadium or bustling street. No feedback howling occurs as long as two radios are at least 3 meters away from each other.

5-inch HD touchscreen

The touchscreen is large and clear enough for you to easily access sophisticated features even under strong sunlight. Built to tough, this all-weather touchscreen works well with gloves or wet hands.



Improved situational awareness

The PNC550 comes with both the 8 MP front camera and 13 MP rear camera, allowing you to take photos and shoot videos in clear, vibrant details and then feed them to the command center in real time over the 4G network. This helps maintain good situational awareness to respond even faster to an emergency situation.

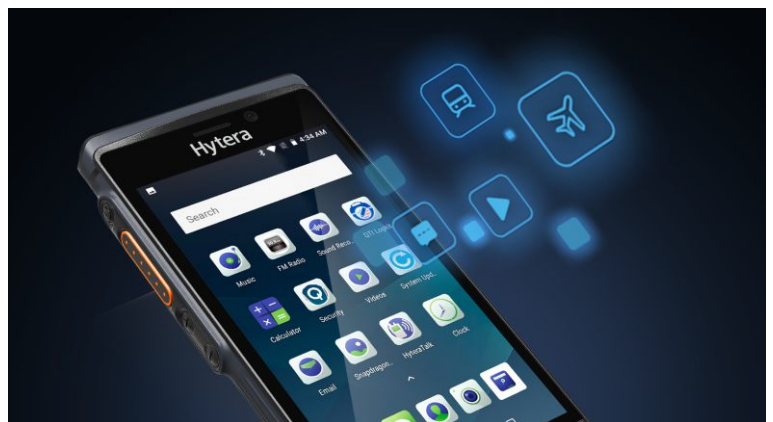


Ultra-long battery life

A removable 4,000 mAh battery, together with unique design for low power consumption, makes the PNC550 provide up to 26 hours of continuous use on a 10-10-80 duty cycle.

Open platform

With an Android platform, the PNC550 allows you to use third-party applications that help you get your job done efficiently. Open APIs make it possible to develop your own applications for specific purposes.



Rugged and durable

Certificated with IP68, the PNC550 is made tough to withstand water and dust. Moreover, it can withstand the sudden drop up to 1.2 meters. The PNC550 can always provide reliable and smooth communication in the ambient temperature from -20°C to $+60^{\circ}\text{C}$. All these help the PNC550 survive harsh environments.

Application Scenarios



Law enforcement



Logistics



Railway



Customs



Electric power



Airports



Supermarkets



Industrial parks

Accessories

Standard Optional



Li-ion Polymer Battery



Power Adapter



Data Cable



Main Screen Protector



Wired Earpiece



BT Earpiece



Wireless PTT



Wireless Remote Speaker Microphone



Charger



Belt Clip

Specifications

Network	
Frequency Band	GSM: 850/900/1800/1900 CDMA: BC0 TD-SCDMA: B34/B39 WCDMA: B1/B3/B5/B8 TDD-LTE: B34/B38/B39/B40/B41(2555~2655MHz) FDD-LTE: B1/B3/B5/B7/B8/B20/B26/B27/B28
Environment Standards	
Operating Temperature	-20°C to +60°C
Storage Temperature	-30°C to +70°C
ESD	IEC 61000-4-2,(ESD)± 12 kV (Air); ±8 kV (Contact)
Ingress Protection	IP68
Drop-proof	1.2m
Certification	
Certification	FCC/IC/CE

General	
Operating System	Android 9.0
Memory	3GB RAM + 32GB ROM 4GB RAM + 64GB ROM
TF Card	128 GB (Max)
Dimensions (H x W x D)	156 mm x 76 mm x 14 mm
Weight	About 250 g
Screen Size	5.0 inches
SIM Card	2 x Nano-SIM
Positioning	GPS/BDS/GLONASS/GALILEO/A-GPS
Sensor	Gravity/Compass/Proximity/Light/Gyro
WLAN	2.4 GHz, 802.11 b/g/n
BT	BT 4.2
NFC	Available
External Interface	Type-C 2.0, 3.5 mm
Battery Capacity	4,000 mAh
Charging Mode	Type-C
Speaker Power	≤ 3 W
Motor	Available
Camera	Rear: 13 MP Front: 8 MP
Flash	Available
Video Resolution	1080p@30fps
Video Format	MP4, 3GP
Video Coding Format	VP8, H.264 (BP/MP/HP), MPEG-4 (SP/ASP), H.263 (HEVC)
Image Format	JPG, PNG, GIF, BMP



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