

PNC550

Smart PoC Radio

- 5-inch Multi-touch Display
- Long Battery Life and Fast Charge
- Dedicated PTT and Alarm Button
- Loud and Clear Voice Quality
- 13M HD Camera
- Rugged and Compact Design



PNC550



5-inch HD Multi-touch Display:

5-inch multi-touch Gorilla Glass display with 720 × 1280 WVGA resolution, it can be used outdoor in direct sunlight. Wet and glove operation is also supported to fit for multiple scenarios.



Loud and Clear Voice Quality

With advanced AI-based noise reduction technology, dual mic noise reduction technology and the powerful voice recognition function, human voice in noisy environment can be extracted effectively. Built-in 1W (up to 2W) speaker provides loud and clear audio quality for versatile voice service.



Professional Design:

Matte texture, lightweight (<250g) and compact body (14mm thickness), dedicated PTT and emergency button on one side, make PNC550 easy to operate with one hand.



Rugged and Compact Design:

With exquisite structural technology, IP68, military standard (MIL-STD-810 G), 1.2m drop-proof design, PNC550 has no fear for kinds of harsh environments.

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High Capacity Battery and Fast Charge:

-PNC550 features a 4000mAh removable battery to satisfy the long-hour work requirement. It supports 2A fast charge, and can be charged by desktop charger and USB .



HD Camera:

The PNC550 is equipped with 13MP rear camera and 8MP front camera. The HD cameras with optical image stabilization make PNC550 clearly grasp every details of the scene, even in an emergency, so as to meet customer's various requirements.



Dual Sim:

PNC550 supports dual-card dual-standby, which makes it not only a PoC(PTT over Cellular) terminal, but also a smartphone. Based on 2G/3G/4G/WLAN, the coverage of communication can be extremely large and wide.



NFC Function:

Built-in NFC module provides NFC related functions such as information query, authentication, identification inspection and so on.

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Inclusive System:

Integrated with Intelligent system, PNC550 provides higher compatibility and security performance. Multiple applications can run on it. Open API and SDK allow third party developing customized applications.



Unified Management Platform:

Smart MDM provides unified management of PNC550. It supports firmware upgrade, APP push and installation remotely. It can also manage the authority of users. SmartMDM supports authentication and data encryption.



PoC Solution:

Hytera provides a comprehensive PoC solution, including terminal, PoC APP, PoC platform, management and dispatch systems. PNC550 can implement versatile voice, video and data services over the public network. The dedicated PTT design makes it easy to initiate instant call anytime and anywhere.

Specification – PNC550

Standards & Frequencies	
Europe&Asia-Pacific&South Korea	
LTE	FDD- LTE: B1/B3/B5/B7/B8/B20/B26/B27/B28 TDD- LTE: B34/B38/B39/B40/B41
WCDMA	B1/B3/B5/B8
TD-SCDMA	B34/B39
CDMA	BC0
GSM	850/900/1800/1900 MHz
America	
GSM	850/900/1800/1900 MHz
WCDMA	B2/B4/B5
TDD-LTE	B38
FDD-LTE	B2/B3/B4/B5/B7/B12/B13/B17/B26/B28

Transceiver	
Audio Power Output	Max : 2W (Rated:1W)
Mic	2 (Dual mic noise suppression)

Environmental	
Dust and Water Proof	IP68
Military Standard	MIL-STD-810 G
Drop Resistance	1.2m
ESD	IEC 61000-4-2 (Level 4) ±8 kV (Contact) ±12 kV (Air)
Operation Temperature	-20°C to +60°C
Storage Temperature	-30°C to +70°C

Audio and Video	
Audio Format	MP3; aacPlus, eAAC; AMR-NB, AMR-WB, G.711, Windows Media Audio, (WMA) 9/10 Pro
Video and Image Format	H.263, P0, H.264, BP/MP/HP, MPEG-4, SP/ASP, DivX, 4x/5x/6x, VP8, VP9, MP, JPG, GIF, BMP, PNG, WEbP
Noise Reduction	AI-based noise reduction & Dual mic noise reduction

Specification – PNC550

General Specifications	
OS	Android 9.0
Dimensions (H x W x D)	156.5 x 76 x 14mm
Weight	<250g
Memory	3GB RAM+32GB ROM/4GB RAM+64GB ROM Expandable to 64GB with Micro SD card
Card Slot	Three card slots 2 x Nano-SIM, 1x Micro SD
Display	5.0-inch 1280 x 720 Capacitive touch Multi-touch Support gloved operation Support wet operation
Camera	13MP AF 8MP FF
Port	USB 2.0(Type C) charger interface 3.5mm common audio interface
Operating Voltage	3.7V (Rated)
Battery	4000mAh
Battery Life	12 hours (10/10/80) & 48 hours(standby) * PoC mode
WLAN	2.4GHz, 802.11 b/g/n
BT	BT 4.2
NFC	Support
Side Key	1x PTT, 2 x Volume key(+ -), 1x alarm key, 1x Power key
Indicator Light	1 (red/green/yellow)
Sensor	Gravity sensor Compass Proximity sensor Light sensor
Certification	CE/FCC/MIL-STD-810G/IP68