

PNC550

PoC smartphone with Android



Smartphone with PoC function

The Hytera PNC550 is a smartphone with PTT button for fast PoC communication (PTT over Cellular). The combination of versatile Android smartphone and PMR group calls ensures lightning-fast voice communication and fast and smooth operations.

Applications & PoC features

With the versatile PoC smartphone both common Android apps as well as company-specific app solutions can be used that are designed for optimal operations

PTT over Cellular (PoC)

With PTT over Cellular (PoC), the PNC550 enables cost-effective voice communication and data transmission (depending on the provider) as well as an almost limitless connection via LTE mobile networks (3G/4G) & WiFi. Thanks to the dedicated PTT key, instant calls can be made anywhere and at any time.

Robust and reliable

The large Gorilla® glass 5" multi-touch display is particularly robust and scratch-resistant. Drop tests from a height of 1.2 meters confirm the robustness of the PNC550. In addition, the PoC smartphone operates reliably even in direct sunlight. With an IP68 protection class, the PNC550 is protected against dust and moisture.

Technical Data PNC550

General data	
Dimensions (H x W x D)	156.5 x 76 x 14 mm
Weight (with battery)	< 250 g
Operating system	Android 8.1
Processor	Qualcomm 1.8 GHz
Memory	RAM: 3 GB ROM: 32 GB , expandable to 64 GB with Micro SD card
SIM card	2 x Nano-Sim, 1 x Micro SD
Display	5.0" Gorilla Glass, 1080 x 720, Capacitive touch, Multi-Touch, Support glove mode, Support rain pattern mode
Connectors	USB 2.0 (Type C) charger interface, 3.5 mm common audio interface
Operating voltage	3.7 V (nominal)
Storage battery	4000 mAh (Li-ion)
Battery service life	>12 h (5-5-90 duty cycle) with Hytera app
Audio power output	1 W (nominal) 2 W (max)
Microphone	2 (dual mic noise suppression)
Camera	13 MP AF, 8 MP FF
Side keys	1 x PTT, 2 x volume key (+ -), 1 x alarm key, 1 x power key
Indicator light	1 (red/yellow/green)
Sensor	Gravity Sensor, compass, proximity sensor light sensor
Audio Formats	MP3: aacplus, eAAC, AMR-NB, AMR-WB, G-711, Windows media audio, (WMA) 9/10 Pro
Video and Image Formats	H.263, PO, H.264, BP/MP/ HP, MPEG-4, SP/ASP, DivX, 4x/5x/6x, VP8, VP9, H.265, MP, JPG, GIF, BMP, PNG, WEBP

Standard functions & frequency ranges	
LTE	FDD LTE: B1/B5/B7/B8/B20/B26/B27/B28 TDD LTE: B38/ B39/B40/B41
WCDMA	B1/B3/B5/B8
GSM	850/950/1800/1900 MHz
WLAN	2.4 GHz, 802.11 b/g/n
Bluetooth	BT 4.1
Localization	GPS (AGPS), Beidou / Glonass / Galileo / Network
NFC	yes

Environmental conditions	
Protection against dust and moisture	IP68
Shock and vibration resistance	MIL-STD-810-G
Drop resistance	1.2 m
ESD	IEC 61000-4-2 (Level 4) ±8 kV (contact) ±12 kV (air)
Operating temperature range	-20 °C to +60 °C
Storage temperature range	-30 °C to +70 °C

All technical information was determined at the factory and in accordance with the corresponding standards. Subject to change on the basis of continuous development.



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Encryption features are optional and require the device to be configured separately; they are also subject to German and European export regulations.

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