

Hytera



Hytera PNC550

Push-to-Talk over Cellular Mobile Computer















The Hytera PNC550 is a Push-to-Talk over Cellular (PoC) radio and handheld smart device designed for nationwide business operations and remote workforce communications. The PNC550 combines the advantages of a compact mobile computer with the ruggedness, enhanced audio quality, and instant Push-to-Talk group communications of a professional PoC device. It supports Android business apps to provide unified operations and communications in a single device.

- Powerful Handheld Smart Device and Push-to-Talk Radio
- Industry-leading Voice Quality with Digital Noise Suppression
- Supports Instant Group Voice and Video Calling and Texting
- Rugged and Purpose Built for Professional Communications
- Seamless Switching between 4G/LTE and Wi-Fi Networks
- Runs Android Business Apps

The PNC550 is supported on the HORIZON and Hytera HALO Nationwide PoC subscription service platforms, third-party PoC platforms, and is supported on Hytera Dispatch web-based group communications and location tracking applications.



PNC550 Key Features

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NATIONWIDE COVERAGE
 - National wide-area communication with mobile 4G/LTE connectivity
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BUILT-IN WI-FI
 - Built-in Wi-Fi supports in-building communications with seamless switching to LTE networks when outside Wi-Fi range
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INSTANT GROUP AND INDIVIDUAL CALLING
 - Push-to-Talk button initiates instant voice or video calls to groups or individuals
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HIGH-DEFINITION CAMERA
 - Features a 13 megapixel rear camera with flash and an 8 megapixel front camera
 - Enables user-initiated video calls and sharing high-resolution images with Hytera Dispatch applications and other PoC devices
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HIGH-QUALITY AUDIO
 - Dual microphones with digital noise suppression and high-volume speaker for industry leading voice quality in loud environments
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DUAL SIM
 - Dual SIM cards provide flexibility for two network data plans
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GPS POSITIONING
 - GPS enables real-time tracking and positioning for Hytera Dispatch applications
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ERGONOMIC DESIGN
 - Lightweight and ergonomic design with easy-access buttons enables comfortable one-hand operation
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5 INCH GORILLA GLASS DISPLAY
 - 5-inch, multi-touch Gorilla Glass display with 1280x720 WVGA resolution
 - Supports wet touch and glove touch operation
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ANDROID OPERATING SYSTEM
 - Supports popular Android business apps for unified operations and communications
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RUGGED AND DURABLE
 - Compliant with MIL-STD-810-G for shock and vibration
 - IP68 rated for complete water and dust resistance
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LONG-LIFE BATTERY
 - Powerful 4,000mAh Lithium-Ion Polymer battery delivers up to 24 hours of operation
 - Supports fast charging by desktop charger and USB
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TEXT AND VOICE MESSAGING
 - Send, receive, and view text messages between dispatcher and other Hytera PoC devices
 - Also supports sending recorded audio messages
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SAFETY FEATURES
 - One-touch Emergency button enables one-touch emergency calls to dispatcher and other PoC devices

Dispatch Applications



The PNC550 and other Hytera PoC devices are supported on HORIZON Dispatch (shown left) and Hytera HALO Dispatch. Both are powerful web-based dispatch applications that run from a web browser.

Hytera Dispatch applications support instant group voice and video calling as well as individual calling. Dynamic groups can be quickly created with a simple list selection or geographically by selecting an area on the dispatch map. The Dispatch applications leverage the GPS built into the PNC550 for tracking of driver locations with geofences, travel routes, and time stamps.



The PNC550 features a 13MP rear-facing camera with flash and an 8MP front-facing camera for hi-resolution photos and video calls.

The PNC550 is a unified communications device with group calling calling that runs Android mobile business apps.



- Security
- Education
- Construction
- General Business
- Warehousing and Logistics
- Hotels and Resorts



Screenshots shown are trademarks of their respective companies.

Standard Accessories



Optional Accessories



Specifications

Standards and Frequencies	
LTE	FDD-LTE: B2/B3/B4/B5/B7/B12/B13/B17/B26/B28 TDD-LTE: B38 WCDMA: B2/B4/B5 GSM: 850/900/1800/1900
WCDMA	B1/B3/B5/B8
GSM	850/950/1800/1900MHz
Wi-Fi	2.4GHz 802.11b/g/n
Bluetooth	BT 4.1
Positioning System	GPS
Near Field Communications	NFC Supported
Audio Formats	MP3, eAAC, Windows Media Audio 9/10/Pro
Video and Image Formats	VP8, VP9, H.264 (BP/MP/HP), MPEG-4 (SP/ASP), H.263, H.265
Transceiver	
Audio Power Output	Maximum 2W
Microphone	2 (Dual mic noise suppression)
Environmental	
Operating Temperature	-4°F to +140°F (-20°C to +60°C)
Storage Temperature	-22°F to +158°F (-30°C to +70°C)
ESD	IEC 61000-4-2 (Level 4) ±8kV Contact, ±12kV Air
Dust and Water Ingress	IP68 Standard
Humidity	Per MIL-STD-810 G Standard
Shock and Vibration	Per MIL-STD-810 G Standard

All specifications are subject to change without notice due to continuous development.

General	
Battery	4000mAh (Li-Ion Polymer)
Battery Life (5/5/90)	Up to 24 Hours
Weight	8.8oz (250g)
Dimensions (H x W x D)	6 1/8" x 3" x 1/2" (156 x 76 x 14mm)
Operating System	Android 8.1
Memory	3GB RAM + 32GB ROM
Card Slots	2x Nano-SIM, 1x MicroSD
Display	5" Gorilla Glass 1280 x 720 WVGA Supports Capacitive Touch, Multi-Touch, Wet Touch, and Glove Touch
Camera	13MP Front Facing, 8MP Rear Facing
Ports	USB 2.0 Type Q Charger Interface 3.5mm Audio Interface
Operating Voltage	3.7V
Physical Interface Buttons	1x Push-to-Talk, 2x Volume (+/-), 1x Emergency, 1x Power
Sensors	Gravity, Compass, Proximity, Light

Ordering Information

Part Number	Description
PNC550	Push-to-Talk PoC Mobile Computer



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