Hytera HyTalk





Hytera PNC560

Push-to-Talk over Cellular Smartphone Radio

The Hytera PNC560 is a Push-to-Talk over Cellular (PoC) radio and handheld smart device designed for nationwide business operations and remote workforce communications. The PNC560 combines the advantages of a compact mobile computer and a data collection terminal with the ruggedness, enhanced audio quality, and instant Push-to-Talk group communications of a professional PoC device. It features a built-in infrared scanner for warehouse, inventory management, and medical applications.

- Powerful Handheld Smart Device and Push-to-Talk Radio
- Built-In Infrared Barcode Scanner
- 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 Cellular and Wi-Fi Networks
- Runs Android Business Apps

The PNC560 is supported on the Hytera HyTalk Nationwide PoC subscription based service, on the Hytera HyTalk OnSite customer owned PoC system, the HyTalk Bridge Radio over IP Gateway, and the Hytera HyTalk Connect unified PoC and LMR platform. The PNC560 is also supported on Hytera HyTalk Dispatch, a powerful web-based group communications and location tracking application.



PNC560 Key Features

NATIONWIDE COVERAGE
- National wide-area communication with mobile LTE cellular connectivity

BUILT-IN WI-FI
- Built-in 2.4GHz and 5GHz Wi-Fi supports in-building communications with seamless switching to LTE networks when outside Wi-Fi range

INSTANT GROUP AND INDIVIDUAL CALLING
- Dedicated Push-to-Talk button initiates instant voice or video calls to groups or individuals

INDUSTRY-LEADING AUDIO QUALITY
- AI-Based digital noise cancellation, echo reduction, wind noise cancellation, and feedback howling reduction for excellent voice quality in loud environments

THREE HIGH-DEFINITION CAMERAS
- Three separate high resolution cameras, including a screen-facing, wide-angle camera, and two rear-facing cameras with telephoto and wide-angle lenses

VIDEO CALLING
- Supports user-initiated video calls and sharing high-resolution images with the Hytera HyTalk Dispatch application and other PoC devices

TEXT AND AUDIO MESSAGING
- Send, receive, and view text messages between dispatcher and other Hytera PoC devices
- Record and send audio messages

DUAL SIM
- Dual SIM cards provide flexibility for two network data plans

BUILT-IN BARCODE SCANNER
- Built-in infrared scanner head reads 1D and 2D barcodes and QR codes in milliseconds from up to two feet away
- Optional Android Application Package (APK) for integrating the scanner functionality with other applications
- Supports barcode scanning and logistics applications

LONG-LIFE BATTERY
- Powerful 5,040mAh Lithium-Ion Polymer battery delivers up to 15 hours of continuous operation and supports quick charging by desktop charger and USB

RUGGED AND DURABLE
- Compliant with MIL-STD-810-G for shock and vibration, and IP68 rated for complete water and dust resistance

GPS POSITIONING
- GPS enables real-time tracking and positioning for the Hytera HyTalk Dispatch application

ERGONOMIC DESIGN
- Ergonomic design with easy-access buttons

6.3 INCH TOUCHSCREEN DISPLAY
- Large screen enables multiple simultaneous operations
- Supports wet hand and glove touch interaction, and provides clear display in bright sunlight

POWERFUL DEVICE ENGINE
- QualComm 8-core platform provides stable and smooth multi-task operations

ANDROID 12 OPERATING SYSTEM
- Supports the latest Android OS business apps for, inventory management, security, and unified operations and communications



BUILT-IN SCANNER

- Infrared scanner head reads 1D and 2D barcodes and QR codes in milliseconds from up to two feet away
- The PNC560 features an integrated scanner for all-in-one ease of use in warehouse, delivery, inventory, and medical applications.
- Android operating system supports scanner apps

STATE-OF-THE-ART CAMERAS

- The PNC560 features three separate high resolution cameras, including an 8MP screen-facing, wide-angle camera, an 8MP telephoto and 48MP wide-angle rear-facing lenses
- Low-light photography and HDR (High Dynamic Range) for clear images at night or strong light-contrast environments
- Innovative lens stabilization algorithm reduces blurring associated with camera motion



The PNC560 is a unified communications smart device that runs Android apps

- Warehousing and Logistics
- Hospitals and Healthcare
- Field Services
- Security Patrols
- Construction and Building Materials
- Big Box Retail and Garden Centers
- Hotels and Resorts
- Payroll and Accounting



Screenshots shown are trademarks of their respective companies.

ULTRA RUGGED

MIL-STD 810G CERTIFIED

The PNC560 is Military Standard tough for shock and vibration, and can withstand a drop from a height of 5 feet.



IP68 RATED

The PNC560 meets the highest rating for dust and water protection. This ultra rugged device is impervious to dust and fine powders, and can be submerged in 5 feet of water for 30 minutes.



ENHANCED COVERAGE

With Dual SIM functionality, the PNC560 can allow you to use two different SIM cards from separate mobile networks. This can help ensure you have coverage even in areas where one network might have weak or no signal.

INTERNATIONAL ROAMING

Incredibly useful for drivers or anyone travelling across the country, a local SIM card can be used for data and a home country SIM for important calls, avoiding expensive international roaming charges.

BACKUP OPTION

In case one SIM card fails or encounters issues, having a second SIM can act as a backup for uninterrupted communication.

INTEGRATION WITH CONTACTS AND APPS

Easily access contacts and other apps during calls for quick information sharing or scheduling.





6.3-INCH FHD+ FULL-SCREEN

Dewdrop full screen.More information to display, more operations to perform, and more orders to command
Outdoor operation friendly, support glove / wet-hand operation, clear view under strong light

SMART MDM COMPATIBLE

Hytera MDM platform provides: device remote monitor and management, security policy remote deployment, device function control and status monitoring, APP management and firmware upgrade, device remote kill or revive, data remote erasing on demand, etc, tailoring the most secured asset & data management for your organization through wired or wireless connectivity such as 3G, LTE, or WLAN.



Hytera HyTalk Dispatch



The PNC560 and other Hytera PoC devices are part of the Hytera HyTalk Nationwide PoC subscription service and the HyTalk OnSite Plus customer owned PoC system that include HyTalk Dispatch, a powerful web-based dispatch application.

Hytera HyTalk Dispatch supports 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. Hytera HyTalk Dispatch leverages the GPS built into the PNC560 for tracking of driver locations and travel routes with time stamps. The dispatcher may stun (turn off) and reactivate a radio, and receive and transmit emergency group calls and texts.

Standard Accessories



PS3007 and PC158
Power Adapter and USB Type C Cable
Input: 100-240VAC, Output: 5VDC/2A



BP4901
5,040 mAh Li-Ion
Polymer Battery



POA200
Tempered Glass
Screen Protector

Optional Accessories



POA207
Protective Case with Hand Strap
BRK37
Protective Case with Mounting Bracket
BC39
Belt clip for use with POA207



EHS24
C-Style 3.5mm Wired Earpiece
with in-line PTT



EAS07
Transparent Tube Earpiece
with in-line PTT



CH20L19
Desktop Charger



SM27W2
Bluetooth Remote
Speaker Mic (IP67)



EHW08
Bluetooth Earpiece with
PTT Button and Mic

SECURITY PROTECTION

The PNC560 is an ultra-secure device that employs a multi-layer security design to provide comprehensive data protection on the device*

SOFTWARE SECURITY

Secure boot and Android file-based encryption prevents unauthorized access or modification and ensures safety from virus/hacker attacks.



BIOMETRIC ID ACCESS

Fingerprint unlock and authentication integrated with side power button provides secure one-step access.

The PNC560 also supports biometric face authentication unlock for fast and secure access.

SAFEBOX FILE STORAGE

Provides a secure storage space for videos, pictures, or other files with authentication required on every access.

*These security features are based on Android v12 functionality.

Specifications

Standards and Frequencies	
LTE Broadband Networks	5G: N1/N2/N3/N5/N20/N28/N41/N66/N71/N78 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B26/B28 LTE-TDD:：B38/B39/B40/B41/B2/B43/B48 WCDMA：B2/B4/B5/B8 GSM：850/900/1800/1900
Wi-Fi	2.4GHz/5GHz 802.11b/g/n/ac
Bluetooth	BT 5.0
Positioning System	GPS/Galileo/BDS/A-GPS
Audio Formats	MP3, eAAC, G.711, Windows Media Audio 9/10/Pro, AMR-NB, AMR-WB
Image Formats	JPG, GIF, BMP, PNG, WebP
Video Formats	1080p@30fps, MPEG-4, 3GP, P0, H.264, VP9, BP/MP/HP/ASP, DivX 4x/5x/6x
Transceiver	
Audio Power Output	3W rated
Microphone	Microphone with AI-based noise suppression
Environmental	
Operating Temp	-4°F to +140°F (-20°C to +60°C)
Storage Temp	-22°F to +158°F (-30°C to +70°C)
ESD	IEC 61000-4-2 (Level 4) ±8kV Contact, ±12kV Air
Dust / Water Ingress	IP68 Standard, Full submersion at 5 feet for 30 minutes
Humidity	Per MIL-STD-810 C/D/E/F/G Standard
Shock and Vibration	Per MIL-STD-810 C/D/E/F/G Standard Drop Proof to 5 Feet
3GPP	MCX Release 15, Standard: 400,000 presses
Certifications	
Environmental	RoHS/REACH
Certification	FCC, CE, IC, GMS

General	
Battery	5,040mAh (Li-Ion Polymer)
Battery Life	Up to 15 hours continuous use
Weight	9.5oz (270g)
Dimensions (H x W x D)	6 9/16" x 3 1/32" x 1/2" (167 x 77 x 13mm)
Operating System	Android 12
Memory	4GB RAM + 32GB ROM
Card Slots	2X Nano SIM, or 1X Nano SIM and 1X MicroSD 128Gb
Display	6.3" Gorilla Glass, FHD+, 2340x1080 Supports Multi-Touch, Wet, and Glove Touch
Camera	8MP Front Facing, 8MP Rear Facing Telephoto, and 48MP (via software algorithm) Wide Angle Rear Facing
Flash / Flashlight	Supported
Ports	USB Type C Charger Interface, 3.5mm Audio Interface
Physical Interface Buttons	1x Push-to-Talk, 2x Volume (+/-), 1x Programmable Button for Scanning or other functions, 1x Power with Fingerprint Recognition
Sensors	Fingerprint, Acceleration, Gravity, Gyroscope, Geomagnetic, Infrared, Light

Ordering Information

Part Number	Description
PNC560 Regular High-end	PoC Smart Phone with Emergency Button (no scanner)
PNC560 Scanner High-end	PoC Smart Phone with Scanner (no emergency button

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

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