

# Hytera



## PNC560 and PNC560S

### Push-to-Talk over Cellular Mobile Computers

The Hytera PNC560 and PNC560S are Push-to-Talk over Cellular (PoC) radios and handheld smart devices designed for nationwide business operations and remote workforce communications. They combine 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. The PNC560 features a built-in infrared scanner for warehouse and inventory management applications. The PNC560S is a cost-effective model without a scanner, and adds an additional speaker and dedicated emergency call button..

- Powerful Handheld Smart Device and Push-to-Talk Radio
- Built-In Infrared Barcode Scanner (available with the PNC560)
- Industry-leading Audio Quality with AI-Based Digital Noise Suppression
- Runs Android Business Apps

The PNC560 and PNC560S are supported on the HORIZON Nationwide PoC subscription service platform, third-party PoC platforms, and on the HORIZON Dispatch web-based group communications and location tracking application.



## PNC560 and PNC560S



### NATIONWIDE COVERAGE

- Nationwide mobile 4G/LTE and 5G cellular connectivity
- Optional multi-carrier SIM supports three mobile carriers and switches over when a carrier's signal is no longer present



### 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



### FLEXIBLE GROUP AND INDIVIDUAL CALLING

- The Push-to-Talk button initiates instant half-duplex group calls (one caller speaks at a time) or full duplex individual calls (both callers speak any time)
- Supports cross-enterprise group calls to any other company with HORIZON PoC service
- Zones can be used to organize multiple call groups
- Group calls can be built on the fly from contacts on the screen interface



### 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



### MULTIMEDIA AND TEXT CAPABILITIES

- Supports sharing high-resolution images and video with HORIZON Dispatch and other PoC devices
- Send, receive, and view text messages between dispatcher and other Hytera PoC devices
- Record and send audio messages



### BUILT-IN BARCODE SCANNER

- Available on the PNC560 model, the 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



### 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

- Enables real-time location tracking with the HORIZON Dispatch application



### SECURE COMMUNICATIONS

- Supports AES128/256, ARC4, SM4, and Quantum encryption algorithms for secure and private communications



### 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



### DUAL SIM

- Dual SIM cards provide flexibility for two network data plans



### POWERFUL DEVICE ENGINE

- Qualcomm 8-core platform for smooth multi-task operations



### ANDROID 12 OPERATING SYSTEM

- Supports the latest Android OS business apps for inventory management, security, and unified communications



### BUILT-IN SCANNER

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



Active Call Shown on Apps

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 on concrete 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.



# HORIZON Dispatch



The PNC560, PNC560S, and other Hytera PoC devices are supported on the HORIZON Dispatch web-based dispatch application that runs from a web browser.

HORIZON Dispatch enables centralized group 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 PNC560 and PNC560S for tracking of driver locations with geofences, travel routes, and time stamps.

## Standard Accessories



## Optional Accessories



**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	d
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 G Standard
Shock and Vibration	Per MIL-STD-810 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 on PNC560), 1x Emergency Button (PNC560S), 1x Power with Fingerprint Recognition,
Sensors	Fingerprint, Acceleration, Gravity, Gyroscope, Geomagnetic, Light, Infrared (PNC560)

## Ordering Information

Part Number	Description
PNC560	Push-to-Talk PoC Radio and Handheld Computer with Scanner
PNC560S	Push-to-Talk PoC Radio and Handheld Computer without Scanner

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



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PNC560-DS-C 3/25