

# Hytera



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.

## 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



## PNC550 Key Features



### NATIONWIDE COVERAGE

- National wide-area communication with mobile 4G/LTE connectivity



### BUILT-IN WI-FI

- Built-in Wi-Fi supports in-building communications with seamless switching to LTE networks when outside Wi-Fi range



### INSTANT GROUP AND INDIVIDUAL CALLING

- Push-to-Talk button initiates instant voice or video calls to groups or individuals



### 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



### HIGH-QUALITY AUDIO

- Dual microphones with digital noise suppression and high-volume speaker for industry leading voice quality in loud environments



### DUAL SIM

- Dual SIM cards provide flexibility for two network data plans



### GPS POSITIONING

- GPS enables real-time tracking and positioning for Hytera Dispatch applications



### ERGONOMIC DESIGN

- Lightweight and ergonomic design with easy-access buttons enables comfortable one-hand operation



### 5 INCH GORILLA GLASS DISPLAY

- 5-inch, multi-touch Gorilla Glass display with 1280x720 WVGA resolution
- Supports wet touch and glove touch operation



### ANDROID OPERATING SYSTEM

- Supports popular Android business apps for unified operations and communications



### RUGGED AND DURABLE

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



### 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



### TEXT AND VOICE MESSAGING

- Send, receive, and view text messages between dispatcher and other Hytera PoC devices
- Also supports sending recorded audio messages



### 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 C/D/E/F/G Standard
Shock and Vibration	Per MIL-STD-810 C/D/E/F/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



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# Hytera



## Hytera PNC560

### Push-to-Talk over Cellular Mobile Computer with Scanner

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 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.



## 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 Hytera Dispatch applications 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 Dispatch applications



### 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

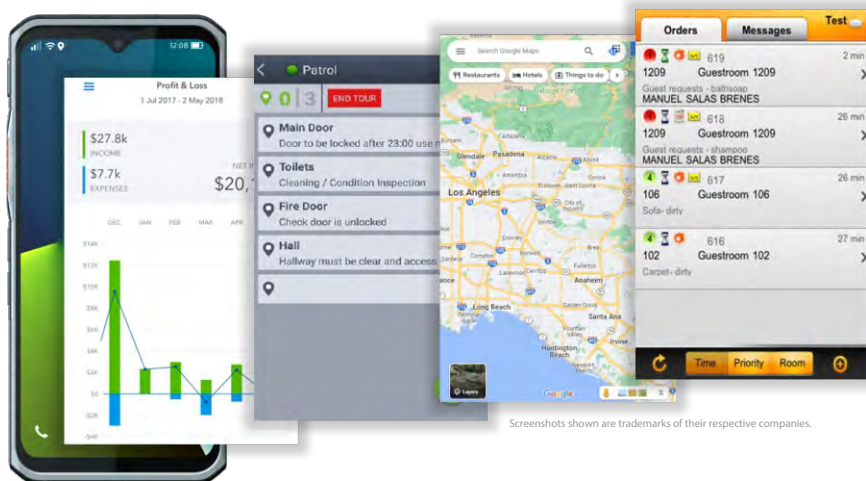
### STATE-OF-THE-ART CAMERAS

- 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.



# Dispatch Applications



The PNC560 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 PNC560 for tracking of driver locations with geofences, travel routes, and time stamps.

## 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



CH20L19  
Desktop Charger



### 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

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