

Hytera



Nationwide Group Communications Solution

The PNC360S 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 PNC360S

Push-to-Talk Over Cellular (PoC) Radio

The PNC360S is an ultra-compact, rugged, and easy-to-operate handheld radio that enables connectivity over cellular 4G/LTE and Wi-Fi for wide-area radio communications.

It is cost-effective, and surprisingly feature rich for the price. PNC360S PoC radios and Hytera HALO Dispatch can be deployed very quickly to deliver these features at a lower cost than traditional radio systems.

- Nationwide Coverage with Wi-Fi and 4G/LTE Networks
- Industry Leading Voice Quality with Digital Noise Suppression
- Supports Dispatching, Group Calling, and Location Tracking
- Ultra Compact and Rugged Radios that are Easy to Use

BUILT-IN GPS

EMERGENCY BUTTON

PUSH-TO-TALK

VOLUME CONTROL

LONG-LIFE BATTERY

COMPACT AND LIGHTWEIGHT

HIGH-PERFORMANCE ANTENNA

LED INDICATOR

WI-FI AND BLUETOOTH

ACCESSORY PORT

160 X 128 TFT LCD DISPLAY

USB DATA/CHARGING PORT

MENU NAVIGATION

MIL-STD AND IP67 RATED

BEST IN CLASS AUDIO QUALITY

PNC360S KEY FEATURES



NATIONWIDE COVERAGE

- Nationwide workforce communication with mobile 4G/LTE connectivity supported by the Nano-SIM



BUILT-IN WI-FI

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



GPS POSITIONING

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



HIGH-QUALITY AUDIO

- Digital noise suppression and high-volume speakers for excellent voice quality in loud environments
- Provides high-quality digital audio performance for individual calls, group calls, and emergency calls
- Adjustable microphone gain sensitivity feature allows users to adjust the radio settings so that they don't have to speak directly into the microphone, for example, when the radio is being worn like a remote speaker microphone



BUILT-IN BLUETOOTH

- Built-in Bluetooth enables connectivity to earpieces, Push-to-Talk rings, and other wireless accessories



TFT LCD DISPLAY

- The TFT LCD display provides high-resolution visibility even under bright daylight
- Supports an easy-to-use GUI menu system with clean and simple navigation



RELIABLE AND DURABLE

- Compliant with MIL-STD-810-H for shock and vibration
- IP67 rated for water submersion and dust resistance



LONG-LIFE BATTERY

- Powerful 4000mAh Lithium Polymer battery delivers several days of operation on a single charge.
- Over 48 hours 10/10/80 operation (10% transmitting, 10% receiving, 80% idle)
- Fast charging within minutes



TEXT MESSAGING

- Receive and view text messages sent from dispatcher and other Hytera PoC devices



PRE-INSTALLED APPS

- Android apps provide convenient PoC services



STUN AND REVIVE

- Dispatcher can remotely stun (disable) or revive (return to service) if the radio is lost or stolen



EMERGENCY AND SAFETY FEATURES

- Emergency Alarms can be sent to other radios via the one touch programmable button
- Safety Alert function provides alerts to the user using a pre-recorded voice message sent at predefined time intervals to remind remote users to check in or that a regular task is due
- Improves worker safety and emergency response time

Dispatch Applications



The PNC360S 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 PNC360S for tracking of driver locations with geofences, travel routes, and time stamps.

Standard Accessories

INCLUDED WITH THE PNC360S



PC143
Charging Cable USB Type C



PS2023
Power Adapter
Input: 100-240VAC, Output: 5VDC/2A



BP4008
4000mAh Lithium Polymer Battery



BC51
Belt Clip



R003
Nylon Hand Strap

Target Applications

The PNC360S is designed for any organization that requires reliable wide area group communications.

- Education
- Security Companies
- Hotels and Resorts
- General Business
- Warehouses and Logistics
- Contractors and Subcontractors
- Property Management
- Event Production and Catering
- Houses of Worship
- Non-Profits
- Healthcare
- Senior Living

Actual Size

- Ultra-compact for easy carrying in a pocket or with the belt clip
- Palm sized for discrete operation
- Can be worn on a lanyard
- Can also be worn on the chest clipped to a safety vest or uniform like a remote speaker mic attached to a belt-clipped radio. This eliminates the need for additional hardware and dangling mic cables.



Specifications

Standards and Frequencies	
LTE	FDD-LTE: B2/B3/B4/B5/B7/B12/B13/B17/B26/B28 TDD-LTE: B38/B41 WCDMA: B2/B4/B5 GSM: 850/900/1800/1900
Wi-Fi	2.4GHz 802.11b/g/n
Bluetooth	BT 4.2
Positioning System	GPS/Galileo/AGPS
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	IP67 Standard
Humidity	MIL-STD-810 H Certified
Shock and Vibration	Per MIL-STD-810 H Certified Drop Proof to 1.2 meters

General	
Battery	4000mAh Lithium Polymer
Battery Life (10/10/80)	Up to 48 Hours
Weight	6.7oz (190g) Including Belt Clip
Dimensions (H x W x D)	5" x 2 3/16" x 1 1/16" (127 x 55 x 27mm)
Operating System	Android 7.0
Memory	1GB RAM + 8GB ROM
Card Slot	Nano-SIM
Display	1 3/4" TFT LCD Non-touch screen display, 160x128
Speaker Power	2W (rated), 3W (max)
External Interface Ports	USB Type C Charging Port, 3.5mm Audio Interface
Positioning	GPS/Galileo/AGPS



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PNC360S-DS-D 2/24



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866-547-4988





Hytera PNC380S

Push-to-Talk Over Cellular (PoC) Device

- Nationwide coverage with 4G/LTE and Wi-Fi networks
- AT&T and T-Mobile Network Approved Device
- Industry leading voice quality with digital noise suppression
- Supports dispatching, group calling, and location tracking
- Instant group voice, video, and text communications
- Easy-to-use, compact and rugged device
- Car Kit option for mounting in vehicles

Nationwide Group Communications Solution

The PNC380S 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.



The Hytera PNC380S PoC device is a compact, rugged, and easy-to-operate handheld radio that utilizes Wi-Fi and existing nationwide 4G/LTE cellular networks for unlimited coverage and capacity. The PNC380S is designed for reliable business communications with instant group calling in the vehicle and on the job site. It is built based on an AT&T Certified LTE Module and has T-Mobile IoT Network Certification. The PNC380S can be quickly deployed without the significant infrastructure costs of traditional radio systems.



PNC380S Key Features

- CERTIFIED NATIONWIDE COVERAGE**
- PTCRB Certified
 - AT&T and T-Mobile approved device fully tested by for reliable nationwide connectivity

- INSTANT GROUP AND INDIVIDUAL CALLING**
- The PNC380s Push-to-Talk button initiates instant half-duplex group calling or full duplex individual calling
 - Supports instant group calling from Hytera Dispatch web-based communications and location tracking applications

- INDUSTRY LEADING AUDIO QUALITY**
- Digital noise suppression and high-volume speakers for excellent voice quality in loud environments
 - Provides high-quality digital audio performance for individual calls, group calls, and emergency calls

- HIGH-DEFINITION CAMERA**
- Equipped with a rear-facing 8 megapixel rear camera, the PNC380S enables user-initiated video calls and sending high-resolution pictures
 - Video and image communications improves situational awareness, and facilitates problem solving and decision making

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

- GPS POSITIONING**
- Built-in GPS enables real-time tracking and positioning for Hytera Dispatch applications

- ERGONOMIC DESIGN**
- Compact and ergonomic design with easy-access buttons enables comfortable one-hand operation
 - Reversible belt clip for carrying with screen facing in or out

- BUILT-IN BLUETOOTH**
- Built-in Bluetooth enables connectivity to earpieces, Push-to-Talk devices, and other wireless accessories

- TFT LCD DISPLAY**
- TFT LCD display provides high-resolution visibility even in bright daylight
 - Supports an easy-to-use GUI menu system with clean and simple navigation

- RELIABLE AND DURABLE**
- IP67 rated for protection from dust and water ingress up to 1 meter for 30 minutes.
 - Compliant with MIL-STD-810-G for shock and vibration

- LONG-LIFE BATTERY**
- Powerful 4000mAh Lithium-Ion Polymer battery delivers up to 24 hours of operation

- CAR KIT**
- Dash-mount car kit available for safe in-vehicle calling
 - Features optional external speaker, palm microphone, visor microphone, and both wired and Bluetooth Push-to-Talk buttons

- LED FLASHLIGHT**
- Bright LED illumination at the touch of a button

- TEXT 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 emergency calls to dispatcher and sending alarms to other radios
 - Dispatcher can remotely stun (disable) or revive (return to service) if the radio is lost or stolen

Dispatch Applications



The PNC380S and other Hytera PoC devices are supported on HORIZON Dispatch (shown above) 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 PNC380S for tracking of driver locations with geofences, travel routes, and time stamps.

Target Markets

The PNC380S is designed for any organization that requires reliable group communications on the job or in remote vehicles.

- Schools and Universities
- Hospitals
- Warehouse and Logistics
- Transportation
- Security Companies
- Facility Management
- Hotels and Resorts
- Property Management
- Construction
- Subcontractors
- Agriculture
- Manufacturing
- Tow Truck Companies
- Delivery Services
- Landscaping
- Golf Courses



Standard Accessories

INCLUDED WITH THE PNC380S



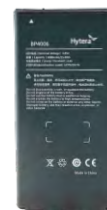
R003
Nylon Hand Strap



PS2023 and PC80
Power Adapter and MicroUSB Cable
Input: 100-240VAC, Output: 5VDC/2A



Bc50
Belt Clip



BP4006
4000mAh Li-Ion Polymer Battery

Optional Accessories



POA121
Bluetooth PTT Ring
and USB charging cable
(for use with EHS24)



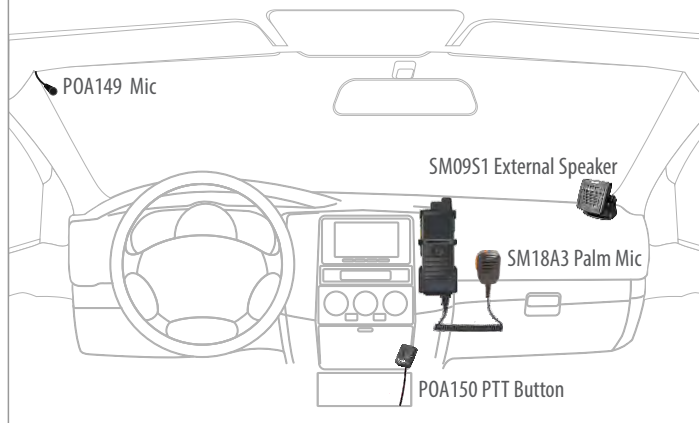
MCL35-S
Multi-Unit Charger
for Radios and Batteries



CK10 CAR KIT

The CK10 Car Kit is a rugged vehicle mounting assembly that enables the PNC380S to be installed on a vehicle dashboard and comply with DOT requirements. The Car Kit allows the PNC380S to be easily removed for handheld job-site communications. The Car Kit includes a locking bracket, an on/off power button, and ports for external speakers, microphones, and push-to-talk buttons. The CARKIT also functions as a docking charger for the PNC380S.

WIRED ACCESSORIES FOR THE CK10 CARKIT



Specifications

Network Standards	
LTE	FDD:B2/B4/B5/B7/B12/B13/B25/B26
WCDMA	B1/B2/B4/B5/B8
GSM	850/1900 MHz
WLAN	2.4GHz and 5GHz, 802.11 b/g/n
Bluetooth	BT 4.2
Positioning System	GPS/A-GPS

General Specifications	
Dimensions (H x W x D)	5 27/32" x 2 3/8" x 1 1/8" (148 x 60 x 28mm)
Weight (with battery)	208g (with battery)
Memory	RAM: 1GB ROM: 8GB
	Extended: Micro SD/TF card, up to 32GB
SIM Card	Nano SIM 12.3mm x 8.8mm
Display	2.0" 320x240
	TFT/Non-touch
Ports	Micro USB 2.0
	3.5mm Audio Jack
	Dock Charger Interface
	Car Kit Connection Interface
Video and Images	Video: 480p @ 30fps for streaming, 720p @ 30fps for recording
	Images: 8MP
Operating Voltage	3.85V (Rated)
Battery	4000mAh (Li-ion)
Battery Life	≥24h (5-5-90 working cycle)

Transceiver	
Audio Power Output	1W (Rated) (Max: 2W)
Mic	Mic with Digital noise suppression

Environmental	
Dust and Water Proof	IP67 Standard
Shock & Vibration	MIL-STD-810 G Standard
Drop Resistance	1.2m
ESD	IEC 61000-4-2 ±8 kV (Contact) ±12 kV (Air)
Operation Temperature	-4°F to +140°F (-20°C to +60°C)
Storage Temperature	-22°F to +158°F (-30°C to +70°C)

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



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PNC3805-DS-E 2/24



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