

# Hytera

## 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
- Supported on Hytera HORIZON Dispatching App
- Instant group calling 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 Nationwide PoC subscription service platform, the fastest growing and most reliable PoC platform available. It is also supported on third-party PoC platforms, and on the HORIZON Dispatch web-based group communications and location tracking application.



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

- CERTIFIED NATIONWIDE COVERAGE**
- AT&T and T-Mobile approved device fully tested by for reliable nationwide coverage using mobile 4G/LTE cellular networks
  - PTCRB Certified
  - 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 dual Wi-Fi (2.4GHz and 5GHz) supports in-building communications with seamless switching to LTE networks when outside Wi-Fi range

- INSTANT GROUP AND INDIVIDUAL CALLING**
- The Push-to-Talk button initiates instant half-duplex group calling (one caller speaks at a time) or full duplex individual calling (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

- INDUSTRY LEADING AUDIO QUALITY**
- AI-based digital noise cancellation and high-volume speakers for excellent voice quality in loud environments
  - Provides industry-leading digital audio performance for individual calls, group calls, and emergency calls
  - Minimum call volume can be enabled in the platform for all users to prevent muting audio and missing calls

- HIGH-DEFINITION CAMERA**
- Rear-facing 8 megapixel rear camera enables sharing high-resolution images and videos to facilitate rapid problem solving and decision making

- GPS POSITIONING**
- Built-in GPS enables real-time tracking and positioning for use with the HORIZON dispatch application

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

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

- TFT LCD DISPLAY**
- TFT LCD display provides high-resolution visibility even in bright daylight
  - Durable, scratch-resistant glass surface - not plastic
  - 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

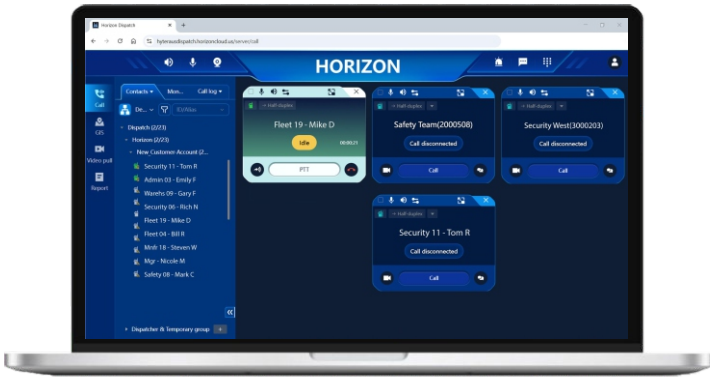
- SECURE COMMUNICATIONS**
- Supports AES128/256, ARC4, SM4, and Quantum encryption algorithms for secure and private communications

- 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

- SAFETY FEATURES**
- One-touch Emergency button enables emergency calls to dispatcher and sending alarms to other radios
  - Emergency alerts can be sent to a group of radios with an audible alarm and provides user ID to all receiving radios
  - Dispatcher can remotely stun (disable) or revive (return to service) if the radio is lost or stolen

# HORIZON Dispatch



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

## Target Markets

The PNC380S is used by organizations that require reliable group communications on the job or in remote vehicles.

- K12 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 Lithium-Ion Polymer Battery

## Optional Accessories



SM27W2  
Bluetooth Speaker Microphone (IP67)



EHW08  
Bluetooth Earpiece with  
PTT Button and Mic



EHS30  
C-Style Earpiece with in-line PTT



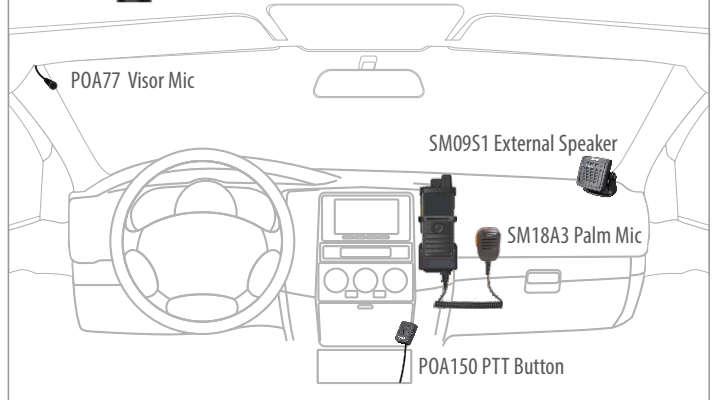
MCL35-S  
Multi-Unit Charger for Radios and Batteries



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 safety requirements. The Car Kit allows the PNC380S to be easily removed for handheld job-site communications. It includes a locking bracket, an on/off power button, and ports for external speakers, microphones, and push-to-talk buttons. The Car Kit 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	720p @ 30fps
	Images: 8MP
Operating Voltage	3.85V (Rated)
Battery	4000mAh (Li-ion)
Battery Life	≥24h (5-5-90 working cycle)

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

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)

## Ordering Information

Part Number	Description
PNC3805	AT&T and T-Mobile approved PoC Device



### Hytera US Inc

8 Whatney, Suite 200, Irvine, CA 92618  
(954) 846-1011

1363 Shotgun Road, Sunrise, FL 33326  
(954) 846-1011

www.hytera.us  
info@hytera.us



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PNC3805-DS-H 2/26