

# HORIZON

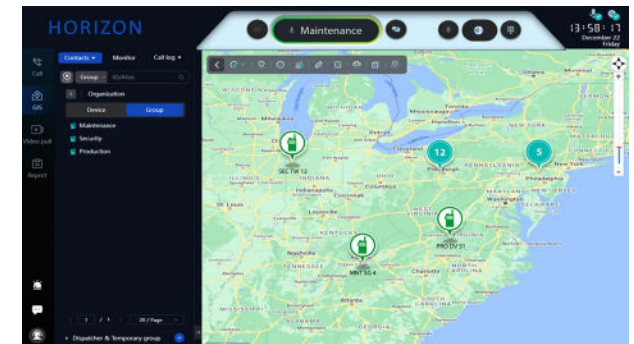
## PoC Comparison Guide

[Hytera Push-to-Talk over Cellular \(PoC\) devices](#) are purpose built for professional business communications. These compact and easy-to-use devices enable instant group voice and video calling over nationwide 4G/5G/LTE cellular networks and Wi-Fi networks. The devices switch over to the LTE network automatically when out of Wi-Fi range.

Hytera PoC devices are ruggedized to support harsh work environments and feature digital noise suppression and high-volume speakers for excellent voice quality in loud areas. Deployments are quick, low-cost, and require no traditional radio system infrastructure or frequency licenses.

Hytera PoC devices can be deployed as a Radios-as-a-Service subscription on the [HORIZON Nationwide PoC Platform](#). Hytera PoC devices are also supported on the [HORIZON Dispatch](#) web-based communication and location tracking dispatch application. HORIZON Dispatch features instant nationwide group voice and video calling and real-time GPS fleet tracking.

Hytera PoC devices can be integrated with existing radio systems using [Hytera Bridge](#), which provides a simple, reliable, and cost-effective Radio over IP (RoIP) gateway between Hytera PoC radios and a variety of DMR and analog radio systems.



# HORIZON

Hytera PoC Devices Support Nationwide Instant Group Calling, Dispatching, and Location Tracking.

The Wide Variety of PoC Devices Provide the Right Radio for your Specific Needs



**PNC360S**  
Compact PoC Radio

The [PNC360](#) is a cost-effective, rugged, and easy-to-operate PoC device. This ultra-compact device provides one-handed operation and can be carried on a lanyard.



**PNC380S**  
PoC Radio

The [PNC380S](#) is a rugged, full-featured, and easy-to-operate PoC device that is AT&T and T-Mobile Network Ready, PTCRB certified, and features an optional dash-mount car kit.



**PNC550**  
PoC Mobile Computer

The [PNC550](#) is a compact, rugged, and easy-to-operate PoC smart handheld device that runs Android mobile business apps.



**PNC560**  
PoC Mobile Computer

The [PNC560](#) is a compact, rugged, and easy-to-operate PoC smart handheld device that runs Android mobile business apps and features a built-in scanner.



**MNC360**  
POC Mobile Radio

The [MNC360](#) is a compact and easy-to-operate Push-to-Talk over Cellular (PoC) Mobile Radio that provides safe and reliable in-vehicle fleet communications with great audio quality.

# PoC Devices Functional Comparison Guide



**PNC360S  
PoC Radio**



**PNC380S  
PoC Radio**



**PNC550 PoC  
Mobile Computer**



**PNC560 (Scanner)  
PoC Mobile Computer**



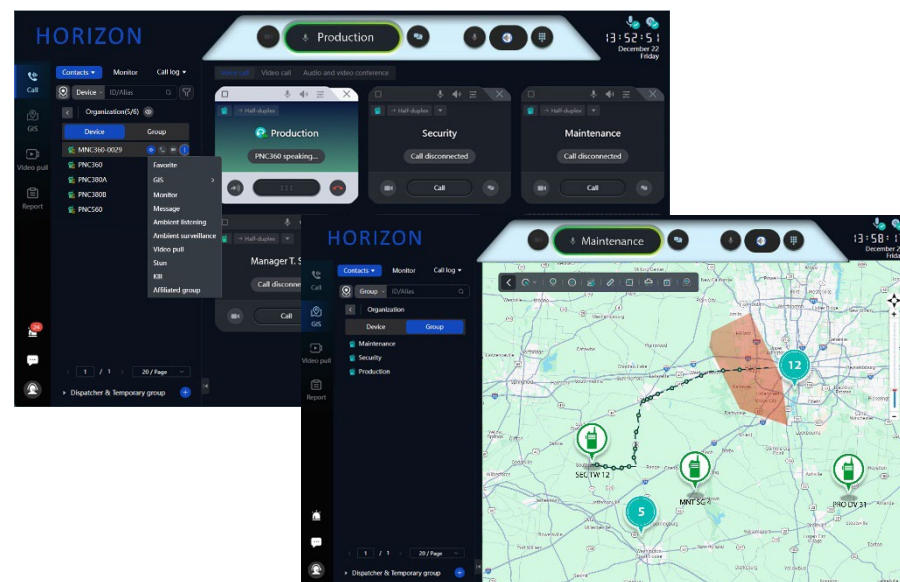
**MNC360  
PoC Mobile Radio**

Purpose Built for PoC	X	X	X	X	X
Ruggedized	X	X	X	X	X
Noise Suppression	X	X	X	X	X
Instant Group Calling	X	X	X	X	X
Text Messaging	X	X	X	X	
Camera / Video Calling		X	X	X	
Use in Vehicles		<b>X (with Car Kit)</b>			X

## HORIZON Dispatch

HORIZON Dispatch is a powerful web-based dispatch application for Hytera PoC devices

- Provides instant group voice calling, private individual calling, and enables dispatchers to quickly build dynamic call groups
- Enables tracking of driver locations and travel routes with time stamps
- Draw geofence boundaries and receive alarms when workers enter or leave geofence areas
- Users can communicate with each other and dispatch with free-form or predefined text messages
- View and share user-initiated video calls with Hytera PoC devices that feature built-in cameras
- Comprehensive call recording, logging, and playback



# PoC Devices Technical Comparison Guide

	<b>PNC360 PoC Radio</b>	<b>PNC380S PoC Radio</b>	<b>PNC550 PoC Mobile Computer</b>	<b>PNC560 (Scanner) PoC Mobile Computer</b>	<b>MNC360 PoC Mobile Radio</b>
<b>Standards</b>	FDD-LTE, TDD-LTE, WCDMA, GSM, Wi-Fi 2.4GHz, 802.11 b/g/n	FDD-LTE, WCDMA, GSM, Wi-Fi 2.4GHz, 802.11 b/g/n	FDD-LTE, TDD-LTE, WCDMA, GSM, Wi-Fi 2.4GHz, 802.11 b/g/n	5G, FDD-LTE, TDD-LTE, WCDMA, GSM, Wi-Fi 2.4GHz/5GHz, 802.11 b/g/n/ac	FDD-LTE, TDD-LTE, WCDMA, GSM, Wi-Fi 2.4GHz, 802.11 b/g/n
<b>Bluetooth</b>	Bluetooth 4.2	Bluetooth 4.2	Bluetooth 4.1	Bluetooth 5.0	Bluetooth 4.2
<b>GPS</b>	GPS/A-GPS/Galileo	GPS/A-GPS	GPS	GPS/A-GPS/Galileo/BDS	GPS/A-GPS/BDS
<b>Audio</b>	Digital Noise suppression, high-volume speaker, 2W Rated Audio Power Output (Max 3W)	Digital Noise suppression, high-volume speaker, 1W Rated Audio Power Output (Max 2W)	Dual Mics, Digital Noise suppression, high-volume speaker, 2W Max Audio Power Output	AI-based noise cancellation, high-volume speaker, 3W Max Audio Power Output	Digital Noise suppression, high-volume speaker, 4W Rated Audio Power Output (Max 8W)
<b>Keypad</b>	Partial Keypad	Full Keypad	Touch Display	Touch Display	4 Programmable Buttons
<b>Display</b>	1 3/4" 160 x 128 TFT LCD Non-touch screen display	2.0" 320 x 240 TFT Non-touch	5" Gorilla Glass 1280 x 720 WVGA, Responsive glove/wet-hand operation	6.3" Gorilla Glass, FHD+, Responsive glove/wet-hand operation	2.0" 320 x 240 LCD Non-touch
<b>Camera</b>	None	8 MP Rear Facing	13 MP Front Facing, 8 MP Rear Facing	8 MP Front Facing, 8 MP Telephoto Rear Facing, 48 MP Rear Facing (via algorithm)	None
<b>Rugged Compliance</b>	MIL-STD-810 H, IP67, ESD IEC 61000-4-2, -4° to +140° F Operating Temp.	MIL-STD-810 G, IP67, ESD IEC 61000-4-2, -4° to +140° F Operating Temp.	MIL-STD-810 G, IP68, ESD IEC 61000-4-2, -4° to +140° F Operating Temp.	MIL-STD-810 G, IP68, ESD IEC 61000-4-2, -4° to +140° F Operating Temp.	MIL-STD-810 G, IP54, ESD IEC 61000-4-2, -4° to +140° F Operating Temp.
<b>Texting</b>	Receive text messages and send programmed messages	Receive and send text messages	Receive and send text messages	Receive and send text messages	Receive text messages and send programmed messages
<b>Safety</b>	Emergency (programmable) button, Dispatcher Stun and Revive	Emergency button, Dispatcher Stun and Revive, Flashlight	Emergency button, Dispatcher Stun and Revive, Flashlight	Emergency button, Dispatcher Stun and Revive, Flashlight	Emergency button, Dispatcher Stun and Revive
<b>Battery</b>	4000mAh Li-ion Polymer, ≥45 hours, Removable	4000mAh Li-ion Polymer, ≥24 hours, Removable	4000 mAh Li-Ion Polymer, ≥24 hours, Removable	5040mAh Li-Ion Polymer, ≥24 hours, Removable	N/A
<b>SIM</b>	Nano-SIM (8.8mm x 12.3mm)	Nano-SIM (8.8mm x 12.3mm)	2x Nano-SIM, 1x Micro SD	2x Nano-SIM or 1x Nano SIM and 1x Micro SD (128Gb)	2x Micro-SIM, 1x Micro TF
<b>Ports</b>	USB Type C Charging port, 3.5mm Audio	Micro USB 2.0, 3.5mm Audio, Dock Charger interface, Car Kit interface	USB 2.0 Type-C Charging Interface, 3.5mm Audio	USB Type-C Charging Interface, QC3.0 Fast Charging Technology, 3.5mm Audio	Micro USB 2.0, 3.5mm Audio, 2-pin Speaker, 10-pin Aviation, 2x LTE Antenna, 1x GPS Antenna
<b>Memory</b>	1GB RAM, 8GB ROM	1GB RAM, 8GB ROM, Micro SD/TF card, Expandable to 32GB	3GB RAM, 32GB ROM, Expandable up to 64GB	4GB RAM, 32GB ROM, Expandable up to 128GB, Micro SD card	1GB RAM, 8GB ROM, Expandable to 128GB
<b>Scanner</b>	None	None	Camera-based barcode scanning w/3 <sup>rd</sup> party app	Integrated infrared 2D/3D Barcode and QR code scanner	None

## HORIZON Platform Details

<b>Description</b>	HORIZON is a subscription-based PoC radio service that provides nationwide communications using cellular LTE and Wi-Fi networks. It supports voice and video calling and the web-based HORIZON Dispatch application.
<b>Pricing Model</b>	HORIZON is a low-cost 1-year or 2-year subscription service plan that may include the monthly LTE SIM card charge. Customer purchases the PoC devices for use in the subscription plan.
<b>Reliability</b>	HORIZON state-of-the-art cloud servers provide industry-leading reliability and system availability with geographically diverse fail over redundancy
<b>Scalability</b>	HORIZON supports unlimited users. Ideal for growing organizations that need flexible scalability and dispatching.
<b>Coverage</b>	Nationwide PoC Cellular and Wi-Fi coverage
<b>Required Infrastructure</b>	None required
<b>Radio Types</b>	Supports all Hytera HALO PoC devices
<b>Deployment Support</b>	None required. Radios are fully configured prior to delivery.

Hytera US Inc.  
[www.hytera.us](http://www.hytera.us)  
[info@hytera.us](mailto:info@hytera.us)

© 2024 Hytera US Inc  
HORIZON\_PoC\_Comparison Guide\_vF.pdf



### **EAGLE COMMUNICATIONS**

34 Waterworks Way, Irvine, CA 92618

Toll Free 1 (800) 600-EAGLE  
Local (949) 837-8788 (Orange County)  
Fax (949) 837-2511

[www.two-wayradio.com](http://www.two-wayradio.com)

# HORIZON