

# 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 LTE cellular Wi-Fi and networks and automatically switch over to the LTE network when out of Wi-Fi range.

Hytera PoC devices are ruggedized to support harsh outdoor work environments and feature digital noise suppression and high-volume speakers for excellent voice quality in loud areas.

Hytera PoC devices can be deployed on [Hytera HALO Nationwide](#) PoC cellular LTE system, [Hytera HALO OnSite](#) single-site and multi-site Wi-Fi systems, and [Hytera HALO Connect](#) unified PoC and LMR radio platform.

Hytera PoC devices are supported on the [Hytera HALO Dispatch](#) web-based communication and location dispatch application. Hytera HALO Dispatch features instant nationwide group voice and video calling and real-time GPS location tracking of Hytera PoC Radios, PoC Smartphones, and PoC Bodycam Radios.



**PNC370**  
PoC Radio

The [PNC370](#) is a compact, rugged, and easy-to-operate Push-to-Talk over Cellular (PoC) and Wi-Fi device that supports nationwide instant group calling, dispatching, and location tracking.



**PNC380S**  
PoC Radio

The [PNC380S](#) is a compact, rugged, and easy-to-operate PoC and Wi-Fi device that supports nationwide voice and video group calling, dispatching, and location tracking. It is AT&T Network Ready and PTCRB certified, and features an optional dash-mount car kit.



**PNC550**  
PoC Smartphone

The [PNC550](#) is a compact, rugged, and easy-to-operate PoC and Wi-Fi smartphone that supports nationwide voice and video group calling, dispatching, and location tracking. The PNC550 supports both Push-to-Talk over Cellular and phone calls, and runs Hytera HALO Dispatch and Android Apps.



**VM780**  
PoC Bodycam

The [VM780](#) Body Camera integrates a body camera and a PoC radio into a single device that records, stores, and shares video and audio over cellular LTE and Wi-Fi networks. The VM780 supports nationwide voice and video group calling, dispatching, and location tracking. It features video evidence collection and file management software applications.

# PoC Functional Comparison Guide with BYOD



**PNC370**  
PoC Radio



**PNC380S**  
PoC Radio



**PNC550**  
PoC Smartphone



**VM780**  
PoC Bodycam



**BYOD**  
Smartphone

	PNC370 PoC Radio	PNC380S PoC Radio	PNC550 PoC Smartphone	VM780 PoC Bodycam	BYOD Smartphone
Purpose Built for PoC	X	X	X	X	
AT&T Network Ready		X			X
Ruggedized	X	X	X	X	
Noise Suppression	X	X	X	X	
Instant PTT Group Calling	X	X	X	X	X <sup>1</sup>
Text Messaging	X <sup>2</sup>	X	X	X	X
Video Calling		X	X	X	X
Hands Free Video Recording				X	
Evidence Collection				X	
Use in Vehicles		X			

## PoC Devices vs. BYOD Smartphones

Bring Your Own Device (BYOD) smartphones can be used as PoC devices with an Android app, but there are several advantages to providing dedicated PoC devices:

- PoC devices and service plans are less expensive than smartphones and cellular voice plans
- PoC devices ensure employees use the devices exclusively for business-related communications
- Instant Push-to-Talk calls without launching apps, looking up contacts, or waiting for the phone to ring
- Rugged devices that withstand high impact (dropping), water submersion, and dust
- High power batteries that guarantee calling availability for the entire work shift
- High audio volume and noise cancelling technology for use in noisy environments
- One touch emergency alarms for worker safety

<sup>1</sup> Push-to-Talk group calls on BYOD can require launching apps, looking up contacts, or programming a dedicated button

<sup>2</sup> The PNC370 can receive and view texts

# PoC Technical Comparison Guide

	<b>PNC370 PoC Radio</b>	<b>PNC380S PoC Radio</b>	<b>PNC550 PoC Smartphone</b>	<b>VM780 PoC Bodycam</b>
<b>Cellular Standards</b>	FDD-LTE, TDD-LTE, WCDMA, GSM	FDD-LTE, WCDMA, GSM	FDD-LTE, TDD-LTE, WCDMA, GSM	FDD-LTE, TDD-LTE, WCDMA, GSM
<b>Built-in Wi-Fi</b>	Built-in Wi-Fi 2.4GHz 802.11 b/g/n	Built-in Wi-Fi 2.4GHz and 5GHz 802.11 b/g/n	Built-in Wi-Fi 2.4GHz 802.11b/g/n	Built-in Wi-Fi 2.4GHz 802.11b/g/n
<b>Bluetooth</b>	Bluetooth 4.1	Bluetooth 4.2	Bluetooth 4.1	Bluetooth 4.2
<b>GPS</b>	GPS/BDS/GLONASS	GPS/A-GPS	GPS	GPS/BDS/GLONASS
<b>Audio</b>	Dual Mics, Digital Noise suppression, high-volume speakers, 1W Rated Audio Power Output (Max 2W)	Digital Noise suppression, high-volume speakers, 1W Rated Audio Power Output (Max 2W)	Dual Mics, Digital Noise suppression, high-volume speakers, 2W Max Audio Power Output	Dual Mics, Digital Noise suppression, Dual 1.5W high-volume speakers, 2W Max Audio Power Output
<b>Keypad</b>	Partial Keypad	Full Keypad	Touch Display	Touch Display
<b>Display</b>	2.0" 320x240 TFT Non-touch	2.0" 320x240 TFT Non-touch	5" Gorilla Glass 1280 x 720 WVGA, Capacitive/Multi/Wet/Glove Touch	2.8" TFT-LCD color touch screen
<b>Camera</b>	None	8MP Rear Facing	13MP Front Facing, 8MP Rear Facing	216° degree rotating camera, 16MP 1080p mp4 (1080p@30fps, 720p@30/60fps, 480p@30fps), wide angle, LED lighting, automatic night vision, H.265 compression, AES256 encryption
<b>Rugged Compliance</b>	MIL-STD-810 G, IP55, ESD IEC 61000-4-2, -40 to +140 F Operating Temperature	MIL-STD-810 G, IP67, ESD IEC 61000-4-2, -40 to +140 F Operating Temperature	MIL-STD-810 G, IP68, ESD IEC 61000-4-2, -40 to +140 F Operating Temperature	MIL-STD-810 G, IP67, ESD 6 kV (Air discharge 12 kV), -22 to +140 F Operating Temperature
<b>Texting</b>	Receive and view text messages sent from dispatcher and other Hytera PoC devices	Send, receive, and view text messages between dispatcher and other Hytera PoC devices	Send, receive, and view text messages between dispatcher and other Hytera PoC devices	Send, receive, and view text messages between dispatcher and other Hytera PoC devices
<b>Safety</b>	Emergency (programmable) button, Stun and Revive	Emergency button, Stun and Revive, Flashlight	Emergency button, Stun and Revive, Flashlight	Emergency button with auto video record, 30 second pre and post recording buffer
<b>Battery</b>	3100mAh Li-ion, ≥18 hours (5-5-90 working cycle)	4000mAh Li-ion Polymer, ≥24 hours (5-5-90 working cycle)	4000mAh Li-Ion Polymer, ≥24 hours (5-5-90 working cycle)	3500 mAh Li-Ion, 8 hours (continuous video with 720p@30fps)
<b>SIM</b>	Micro SIM (12mm x 15mm)	Nano SIM (8.8mm x 12.3mm)	2x Nano-SIM, 1x MicroSD	Nano SIM (8.8mm x 12.3mm)
<b>Ports</b>	Micro USB 2.0, 2.5mm Audio, Dock Charger interface	Micro USB 2.0, 2.5mm Audio, Dock Charger interface, Car Kit interface	USB 2.0 Type Q Charger Interface, 3.5mm Audio	Micro USB 2.0, 4-pin Dock Charger and Video Data Collection Contacts
<b>Memory</b>	512MB RAM, 4GB ROM, Micro SD/TF card, up to 32GB	1GB RAM, 8GB ROM, Micro SD/TF card, up to 32GB	3GB RAM, 32GB ROM, Expandable to 64GB	Available with 16GB, 32GB, 64 GB, or 128GB

# PoC Services Comparison Guide

## HALO Nationwide



Nationwide Push-to-Talk over Cellular (PoC) Network

## HALO OnSite



Single-Site Push-to-Talk over Wi-Fi Network

## HALO Connect



Nationwide DMR and PoC Unified Platform

<b>Description</b>	<a href="#">Hytera HALO Nationwide</a> is a Push-to-Talk Over Cellular (PoC) radio network that utilizes 3G/4G/LTE cellular infrastructure for nationwide to provide unlimited group voice and video calling.	<a href="#">Hytera HALO OnSite</a> is a Push-to-Talk over Wi-Fi radio system that uses the existing Wi-Fi network in a large building, facility, or campus to provide unlimited group voice and video calling.	<a href="#">Hytera HALO Connect</a> is a wide-area radio network service that integrates LMR radio systems, third-party radio systems, and the HALO Nationwide PoC network into a comprehensive radio ecosystem.
<b>Pricing Model</b>	Customer purchases PoC devices and with monthly HALO Nationwide Radio-as-a-Service subscription.	Customer purchases PoC devices and OnSite Wi-Fi server. There are no subscription costs. May be used with PoC devices on a HALO Nationwide subscription plan.	Customer purchases PoC devices and uses existing LMR radios. Requires purchase of HALO Connect server and Hytera SmartOne dispatching platform software. May be used with PoC devices on a HALO Nationwide subscription plan.
<b>Coverage</b>	Nationwide PoC coverage provided by Mobile Network Operator's cellular LTE network.	Single-site coverage provided by customer's Wi-Fi Network. Multiple sites can be connected via IP network.	Wide area coverage from existing LMR network combined with Nationwide PoC coverage provided by Mobile Network Operator's cellular LTE network.
<b>Required Infrastructure</b>	None required.	Customer's Wi-Fi network and OnSite Wi-Fi Server	Customer's existing LMR radio network, along with HALO Connect server and Hytera SmartOne dispatching platform.
<b>Deployment Support</b>	None required.	Simple site survey to ensure Wi-Fi coverage and server installation provided by Dealer.	More complex system integration that requires Hytera engineering support.

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