

Hytera



Hytera MNC360

Push-to-Talk over Cellular Mobile Radio

The MNC360 is supported on the HORIZON Nationwide PoC subscription service platform, and is supported on the HORIZON Dispatch web-based group communications and location tracking application.

- Nationwide Coverage with 4G/LTE Networks
- Industry Leading Voice Quality with Digital Noise Suppression
- Supports Instant Group and Individual Calling
- Compact and Rugged Radios that are Easy to Use
- GPS Location Tracking for the Web-based Dispatching App



The Hytera MNC360 Push-to-Talk over Cellular (PoC) mobile radios are professional-grade communications devices that provide clear push-to-talk communication, instant group calling, and location tracking for reliable and efficient fleet dispatching.

Unlike cell-phones, tablets, and handheld devices, the MNC360 is a legal and DOT compliant device for safe communications while driving.



MNC360 Key Features

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NATIONWIDE COVERAGE
 - Cellular SIM card enables mobile network access for nationwide coverage with cellular 4G/LTE connectivity
 - Dual LTE paddle antennas improve RX sensitivity by 3dB for excellent reception in weak signal areas
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INSTANT GROUP AND INDIVIDUAL CALLING
 - Enables 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
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INDUSTRY-LEADING AUDIO QUALITY
 - AI-Based digital noise cancellation learns human voice and removes loud vehicle background noise in real time
 - Distortion and howling suppression
 - Exclusive patented acoustic speaker cavity and forward facing 4 Watt high-volume speaker
 - High gain sensitivity (hears voice from near or far) for hands-free full duplex calling when using the microphone on the radio body instead of the handheld microphone
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GPS POSITIONING
 - Highly accurate external GPS antenna enables speed monitoring and real-time location tracking with breadcrumbs and geofencing with the HORIZON Dispatch application
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CLEAR AND BRIGHT DISPLAY
 - LCD display screen is easily visible even in bright sunlight
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PROGRAMMABLE BUTTONS
 - The four tactile keys can be programmed to select call groups, revert back to home call group, make a custom individual full-duplex call, or dozens of other functions
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DESIGNED FOR SAFETY
 - Eyes stay on the road with raised tactile buttons, piano style keys, and lightweight handheld microphone for safe and simple push-to-call operation
 - Emergency call button enables instant one-touch emergency calls to dispatcher and other PoC devices
 - Speeding and driver fatigue notifications
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SECURE COMMUNICATIONS
 - Supports AES128/256, ARC4, SM4, and Quantum encryption algorithms for secure and private communications
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ANDROID OPERATING SYSTEM
 - The MNC360 is powered by the Android mobile platform
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FLEXIBLE INTEGRATION
 - Standard API and SDK for integration with mobile fleet management and telematics applications
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BUILT-IN WI-FI
 - Built in Wi-Fi offers a redundant connection for flexible network access when used as a dispatch console (base station)
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COMPACT AND EASY TO INSTALL
 - Weighing only 10.6 ounces, the MNC360 is compact and narrow for flexible installations
 - Rotating mounting bracket for attaching the MNC360 on top of the dashboard or on a vertical surface in the vehicle
 - Highly-sensitive, dual LTE antennas reduce the need to install an external antenna (depending on where the MNC360 is installed inside the vehicle)
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RICH WITH ACCESSORIES
 - 3.5mm audio jack for wired earpiece accessories
 - Micro USB 2.0 port for connecting and powering a variety of external devices
 - Built-in Bluetooth for hands-free microphones and other wireless accessories
 - 2-pin port for an external loudspeaker

The MNC360 enables cost-effective fleet communications and dispatching with fast and easy deployments.

4G/LTE cellular networks provide reliable nationwide coverage that requires no investment in traditional radio network infrastructure or FCC frequency licensing.

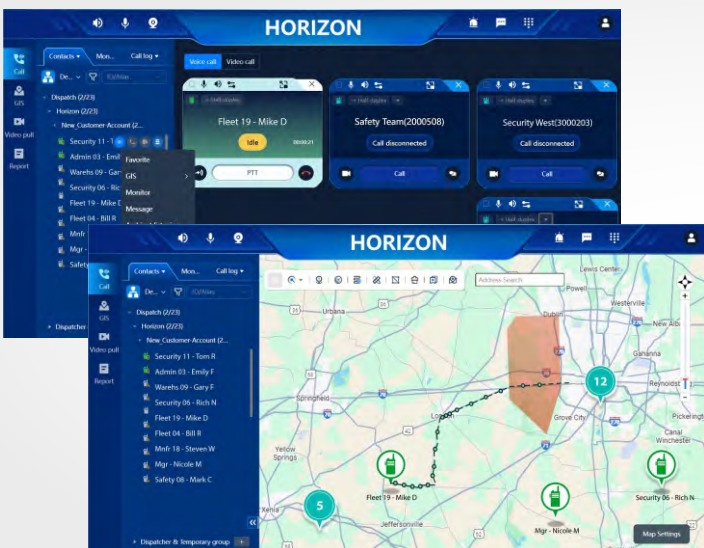
The MNC360 delivers instant nationwide group and individual calling right out of the box.



Standard Accessories



Optional Accessories



HORIZON Dispatch

The MNC360 and other Hytera PoC devices are supported on the HORIZON Dispatch web-based dispatch application that runs from a web browser.

HORIZON Dispatch supports instant 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. HORIZON Dispatch leverages the GPS built into the MNC360 for tracking of driver locations with geofences, travel routes, and time stamps.

Target Markets

- Transportation, Shipping, and Logistics
- Student Transportation
- Security Services
- Taxi and Shuttle Services
- Construction, Plumbing, and Electrical
- Towing Companies
- Agriculture
- Landscaping Services
- Ambulances and EMTs
- Delivery Services



Specifications

General	
Weight	10.6oz (300g)
Dimensions (H x W x D)	6 5/8" x 2 5/8" x 1 1/2" (170 x 66 x 39mm)
Display	2" LCD 320x240
Operating System	Android 7.1
RAM Capacity	1GB
ROM Capacity	8GB
Input Voltage	9-15VDC
Speaker	4W
Operating Temperature	-22°F to +167°F (-30°C to +75°C)
Port Interfaces	Two LTE antenna ports, 2-pin external speaker port, GPS antenna port, MicroUSB 2.0 connector, 3.5mm audio accessory port, secure 10-pin aviation port for handheld mic, power connector
Card Slots	Two Micro-SIM slots, TF Card slot (up to 128 GB)
Environmental	
Operating Temperature	-4° to +140° F (-20° to +60° C)
Storage Temperature	-4° to +185° F (-40° to +85° C)
ESD	IEC 61000-4-2, (ESD) ± 12 kV (air); ± 8 kV (contact)
IP Rating	IP54 for water and dust resistance

Standards and Frequencies	
LTE Frequency Bands	FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B26/B28 TDD-LTE: B38/B39/B40/B41 (2496-2690 MHz) GSM: 850/900/1800/1900 WCDMA: B1/B2/B3/B4/B5/B8
Wi-Fi	2.4GHz 802.11b/g/n
Bluetooth	BT 4.2
Positioning System	GPS (A-GPS)/BDS
Certifications	FCC/CE/IC

Ordering Information

Part Number	Description
MNC360	Push-to-Talk PoC Mobile Radio



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