



Hytera HALO OnSite and OnSite Plus Customer Owned Push-to-Talk over Cellular and Wi-Fi Radio System

Hytera HALO OnSite and HALO OnSite Plus are own-your-own Push to Talk over Cellular (PoC) controllers that enable single-site and nationwide group calling. Hytera OnSite and OnSite PoC controllers are network appliances that enable reliable and private voice, video, and text communications.

Hytera PoC radios and bodycams are IoT devices (essentially handheld VoIP phones) that access the Hytera HALO OnSite PoC controller through nationwide mobile operator 4G/LTE networks using a SIM card, or existing Wi-Fi network infrastructure in a building, facility, or campus. Hytera PoC devices can seamlessly switch between Wi-Fi and 4G/LTE networks for flexible radio connectivity.

Own Your Own PoC Radio System with HALO OnSite

- Quickly deploy your own PoC radio system with unlimited channels and nationwide coverage
- HALO OnSite costs much less than traditional two-way radio systems
- Wi-Fi and 4G/LTE network connectivity for flexible deployments
- Scalable to grow with your business or organization
- OnSite Plus supports an unlimited number of users, a web-based dispatching and location tracking application, and video calling

HALO OnSite Controllers

There are two different Hytera HALO OnSite PoC controllers.

HALO OnSite is a low-cost, entry-level system. HALO OnSite supports Wi-Fi and 4G/LTE network access, up to 200 users, group voice calling, and text messaging.



HALO OnSite Controller

HALO OnSite Plus supports all the features of HALO OnSite and supports an unlimited number of users. HALO OnSite Plus also adds HALO Dispatch, a web-based location tracking and group calling dispatch application (which requires a HALO Dispatch controller). HALO OnSite Plus also supports user-initiated video calls using video-capable PoC devices.



HALO OnSite Plus and
HALO Dispatch Controllers

Hytera PoC Devices

Hytera provides a wide variety of PoC devices for operation on the HALO OnSite and OnSite Plus systems, including PoC handheld and mobile radios, and PoC mobile computers.

- Industry-leading audio quality with digital noise suppression
- Long battery life
- Rugged and reliable
- Built in Wi-Fi, Bluetooth, and GPS



HALO OnSite Key Features

COST SAVING

Hytera HALO OnSite PoC controllers enable local and nationwide radio communications with minimal up-front cost.

Costs much less than traditional two-way radio networks because there is no need for repeaters and antennas, or FCC frequency licenses.

Provides a lower Total Cost of Ownership (TCO) over two years when compared to a Nationwide PoC subscription plan for large groups of users.

RAPID DEPLOYMENTS

Since the Wi-Fi and 4G/LTE network infrastructure already exists, the Hytera HALO OnSite system can be deployed very quickly with a simple PoC controller installation.

FLEXIBLE NETWORK CONNECTIVITY

Hytera HALO OnSite and OnSite Plus can be deployed as single-site Wi-Fi radio networks, multi-site Wi-Fi networks connected by an IP network or VPN, and enhanced with nationwide 4G/LTE network access for users outside of Wi-Fi coverage.

SCALABLE

HALO OnSite is scalable to grow with your organization. Hytera PoC devices can be quickly added to HALO OnSite to scale from a small group to hundreds of users with unlimited channels and calling capacity.

GROUP CALLING AND TEXTING

Supports instant group calling and full duplex calling (both users can speak at the same time) calls between individuals.

Users can communicate with each other with free-form texting or predefined text messages.

SAFETY FEATURES

HALO OnSite and Hytera PoC devices support sending and receiving Emergency Alarms for enhanced worker safety.

HALO OnSite Plus Features

HALO OnSite Plus adds the following features and capabilities:

WEB BROWSER DISPATCHING

Hytera HALO Dispatch is a web-based browser application that is available with HALO OnSite Plus using the HALO Dispatch controller. HALO Dispatch provides a flexible group calling and leverages the built-in GPS capabilities in Hytera PoC devices to provide location tracking.

HALO Dispatch can remotely monitor audio and video during emergency situations. HALO Dispatch can also stun (disable) and revive (turn on) remote radios that are lost or stolen.

UNLIMITED USERS

HALO OnSite Plus is scalable to support an unlimited number of PoC users.

VIDEO CALLING

HALO OnSite Plus supports group and individual video calling with real-time HD video between PoC devices and the HALO Dispatch application.

HALO OnSite Plus Application Example

This diagram illustrates how Hytera PoC devices access the Hytera HALO OnSite Plus PoC controller using Wi-Fi and cellular 4G/LTE networks.

The Hytera devices on the Wi-Fi network are utilizing the existing wireless network infrastructure of the facility to access the PoC controller. It is important to note that a Wi-Fi coverage survey must be conducted to ensure there is sufficient coverage for the devices to access the PoC controller anywhere in the facility. The PoC controller can be connected to multiple Wi-Fi networks at different locations through an IP network or VPN.

Wi-Fi connectivity is optional and 4G/LTE coverage can be used if there is no Wi-Fi network available.

The Hytera PoC devices on the nationwide 4G/LTE network use SIM cards with data plans to access the cellular network, which connects to the internet through a network gateway. The PoC controller accesses the internet through the customer's network router.

The HALO Dispatch web-based application accesses the HALO Plus Controller via the internet or LAN connection, and requires an additional HALO Dispatch controller.



Hytera HALO Dispatch

Hytera HALO Dispatch is a powerful web-based communication and dispatch application for HALO OnSite Plus

- 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 real-time video calls with Hytera PoC devices that feature built-in cameras



Target Applications

Any organization or enterprise can take advantage of the cost-effective wide-area group communications provided by Hytera Halo OnSite and HALO OnSite Plus.

- Healthcare
- Factories and Warehouses
- Transportation and Logistics
- Convention Centers
- Schools and Universities
- Hotels and Resorts
- Sports Arenas and Venues
- Manufacturing



Specifications

HALO OnSite Controller	
System	Linux Operating System
Networking	1 Gigabit RJ45 Ethernet Port
Operational Power	100-240VAC
Cooling / Environment	Internal Fans / Standard computer environment
Dimensions H/W/D	3 5/8" x 9 7/8" x 10 1/16" (91 x 250 x 255mm)
Weight	8.2 lbs (3.8kg)
Maximum Licensed Users	200



HALO OnSite Controller

HALO OnSite Plus and HALO Dispatch Controllers	
System	Linux Operating System
Networking	1 Gigabit Ethernet LOM Port
Operational Power	100-240VAC
Cooling / Environment	Internal Fans / Standard computer environment
Dimensions H/W/D without bezel	1 11/16" x 17 3/32" x 17 1/2" (43 x 494 x 595mm)
Weight	29.9 lbs (12.2kg)
Maximum Licensed Users	Unlimited



HALO OnSite Plus and HALO Dispatch Controller



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