Hytera BRIDGE

Hytera BRIDGE

Push to Talk over Cellular (PoC) Radio over IP Gateway

PoC and DMR/Analog Radio Interconnect Solution

Hytera Bridge provides a simple, reliable, and cost-effective Radio over IP (RoIP) gateway between Hytera Push-to-Talk over Cellular (PoC) radios and a variety of DMR and analog radio systems.

Hytera Bridge offers the ability to connect Hytera PoC radios with analog radios, Tier II DMR radio systems, DMR Tier III trunking systems, or Hytera XPT systems for group radio calls. This enables the expansion of a hybrid communication system while protecting previous radio system investments.

- Add nationwide Push-to-Talk over Cellular (PoC) communications to existing Analog or DMR standard compliant two-way radio systems
- Provides a simple, reliable, and cost-effective PoC to DMR radio system gateway
- Enables a variety of flexible system interconnect configurations
- Preserves investments in existing DMR and Analog radio systems
- Delivers low latency communications between PoC and DMR radios

Hytera BRIDGE Key Features

COMPACT AND COST-EFFECTIVE

Hytera Bridge is a compact hardware configuration that can be installed in a data closet or radio equipment rack with a minimal footprint. Both mobile radios are powered by a one dual-output power supply.

Hytera Bridge provides a single-channel interconnect at a much lower price than other systems that require additional hardware or servers.

FLEXIBLE SYSTEM INTERCONNECT

The Push-to-Talk over Cellular broadband internet access can be through an LTE cellular network using a SIM card in the MNC360 or through an existing Wi-Fi network. Narrowband connectivity to Hytera DMR systems, third-party DMR standard compliant systems, or analog radio systems is provided through the HM782 using UHF or VHF frequencies.

Hytera Bridge also provides connectivity between two remote radio networks over PoC internet access, and multiple Hytera Bridge systems can be deployed for additional channels.

PRESERVES EXISTING RADIO SYSTEM INVESTMENTS

Hytera Bridge provides a cost-effective method to add Hytera PoC radios with nationwide range to an existing DMR or Analog radio system.

Specifications

General	
Dimensions (L x W x D)	HM782 and Power Chassis: 11.3" x 9.6" x 6.2" MNC360: 6.6" x 2.6" x 1.5"
Weight	15.9 Lbs
Ports and Power	
Narrowband Antenna Port	1
LTE Antenna	2 on MNC360
Power Input	1
Power Switch	1
Input Voltage	115 VAC
Environmental	
Operating Temperature	-4° to +140° F
Storage Temperature	-40° to +185° F

For detailed specifications on the MNC360 PoC mobile radio and the HM782 DMR mobile radio, please visit www.hytera.us. Specifications subject to change without notice due to continuous product development.

Hytera BRIDGE Functionality

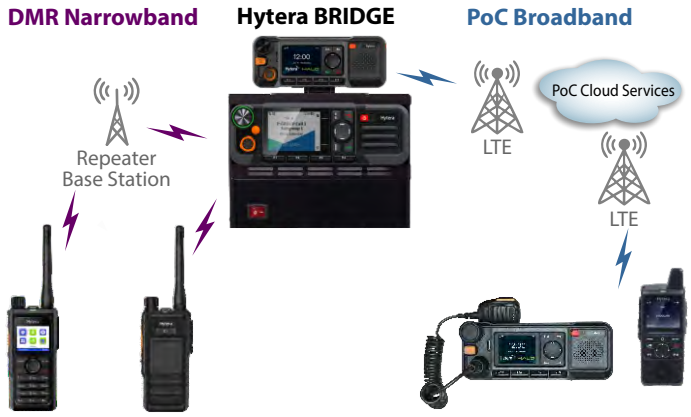
Hytera Bridge PoC to DMR connectivity is accomplished with a special hardware kit that interconnects and re-broadcasts communication between an MNC360 PoC mobile radio and an HM782 DMR mobile radio.

The MNC360 provides connectivity to Hytera PoC radios via LTE cellular or Wi-Fi internet access, and the HM782 provides connectivity to Hytera DMR Radios and repeaters via narrowband UHF and VHF frequencies. The HM782 can communicate with DMR radios via a repeater base station or directly with DMR radios.

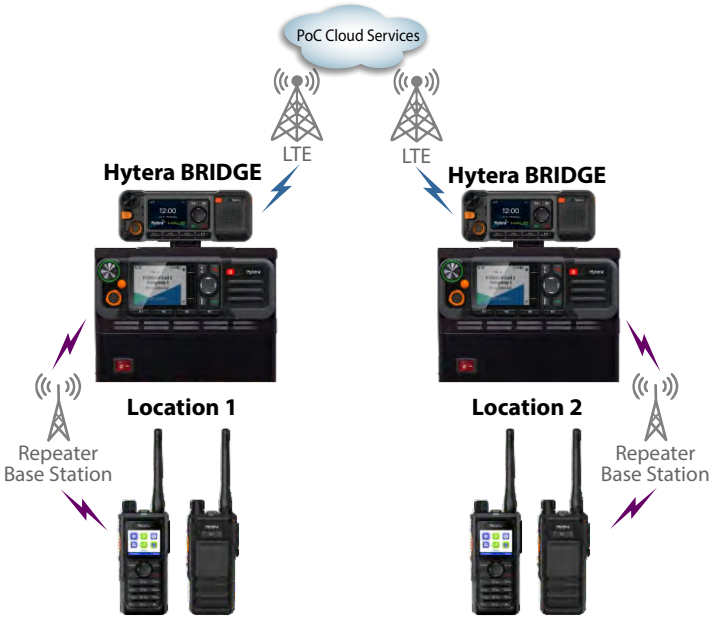
Hytera Bridge provides a single channel interconnect. Note that it does not pass caller ID, group, or other information between the two systems.

Hytera Bridge can also provide connectivity between two remote DMR radio systems over a PoC Broadband connection.

Hytera BRIDGE DMR/PoC Gateway Application



Hytera BRIDGE DMR Site Extension over PoC Application



Hytera US Inc.
8 Whatney, Irvine, CA 92618
1363 Shotgun Road, Sunrise, FL 33326
Phone (954) 846-1011
www.hytera.us Email info@hytera.us

Hytera is a registered trademark of Hytera.
© 2024 Hytera US Inc . All Rights Reserved.
Hytera retains right to change the product design and specification.

Hytera-Bridge-DS-B 2/24

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