

# BN100 HyTalk PMR Gateway

**Bridge networks. Get connected.**



- Enhanced collaboration
- Extended reach
- Ease of use
- Low latency

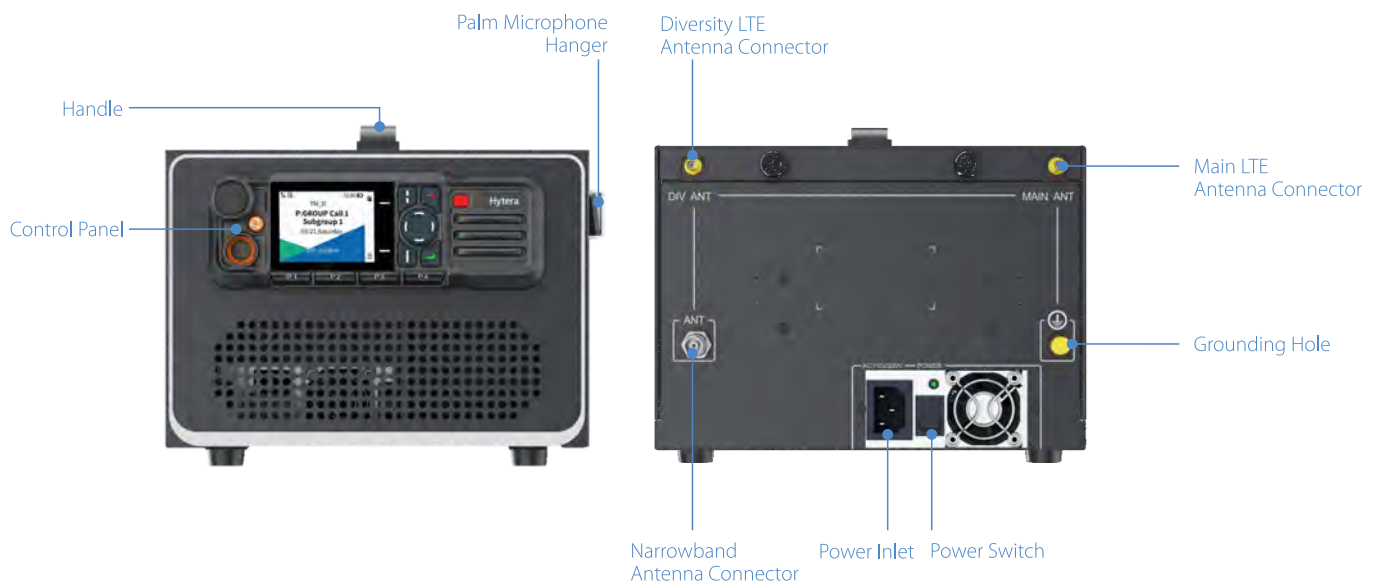




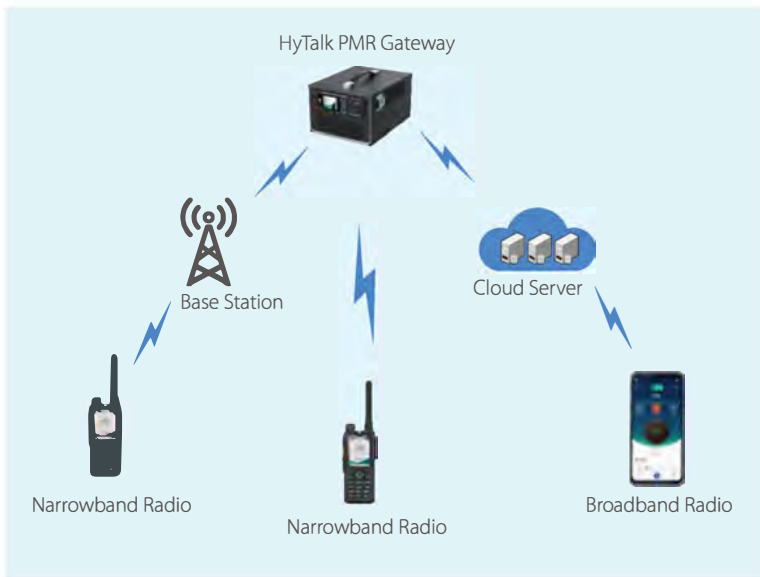
## Overview

As broadband services increasingly flourish, some industries tend to buy broadband radios as a new communications way. However, these radios cannot be connected to the narrowband radios. Replace all your narrowband radios? It will be a large investment. Thus, we innovate HyTalk PMR Gateway to solve this problem for business, public safety, transportation, utilities, and more.

HyTalk PMR Gateway is a cost-effective narrowband-broadband interconnection solution, including BN100 voice gateway box, MNC360 PoC mobile radio, and HM78X digital mobile radio. It has the capability to seamlessly connect the narrowband radios and broadband radios. Moreover, interworking with public network, it allows narrowband radios to communicate with each other anywhere.

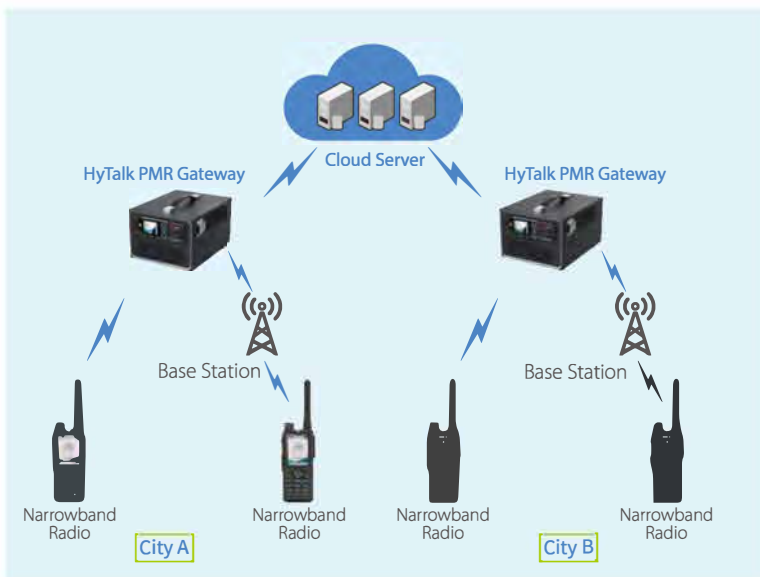


## Key Benefits



### Enhanced collaboration

This solution unleashes the collaborative potential of radios in the field, no matter whether they are narrowband or broadband. This enables different user groups to seamlessly communicate with each other in a unified way for increased work efficiency.



### Extended reach

Leveraging the public network, this solution cost-effectively interconnects PMR networks in different regions, without building extra expensive ground infrastructure. So legacy narrowband radios can be reused for voice communication without boundaries, protecting the existing investments in narrowband.

### Ease of use

Simple but intuitive, this solution is easy to deploy and use. The voice gateway box containing two mobile radios is compact and weighs less than 8 kg, and is designed for easy transport. A handle on the top of this box ensures a comfortable grip and easy movement.

### Low latency

This solution supports back-to-back connection between one PMR mobile radio and one PoC mobile radio. This greatly accelerates transmission rate and reduces audio latency. Thus, narrowband and broadband radio users can stay connected quickly.

## Application Scenarios



## Specifications

### General

Dimensions (L x W x H)	288 mm x 244 mm x 158 mm
Weight	No mobile radio: 2.8 kg With two mobile radios: 8Kg

### Connector and Switch

Narrowband Antenna Connector	1
LTE Antenna Connector	2
Power Inlet	1
Power Switch	1
Palm Microphone Connector	1
Input Voltage	100 - 240 V AC

### Environmental

Operating Temperature	-20°C to +60°C
Storage Temperature	-40°C to +85°C

Distributore Autorizzato per l'Italia:



**Advantec Srl**  
Via Caduti per la Libertà, 13 10060  
Pinasca TO - Italy  
Tel. +39 0121326770  
info@advantec.it - www.advantec.it



**Hytera Communications Europe**  
939 Yeovil Road, Slough, Berkshire, SL1 4NH  
info@hytera-europe.com | www.hytera-europe.com

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