

Hytera Multi-mode Advanced Radio



LTE Multi-mode Advanced Radios

The bridge between narrowband and broadband

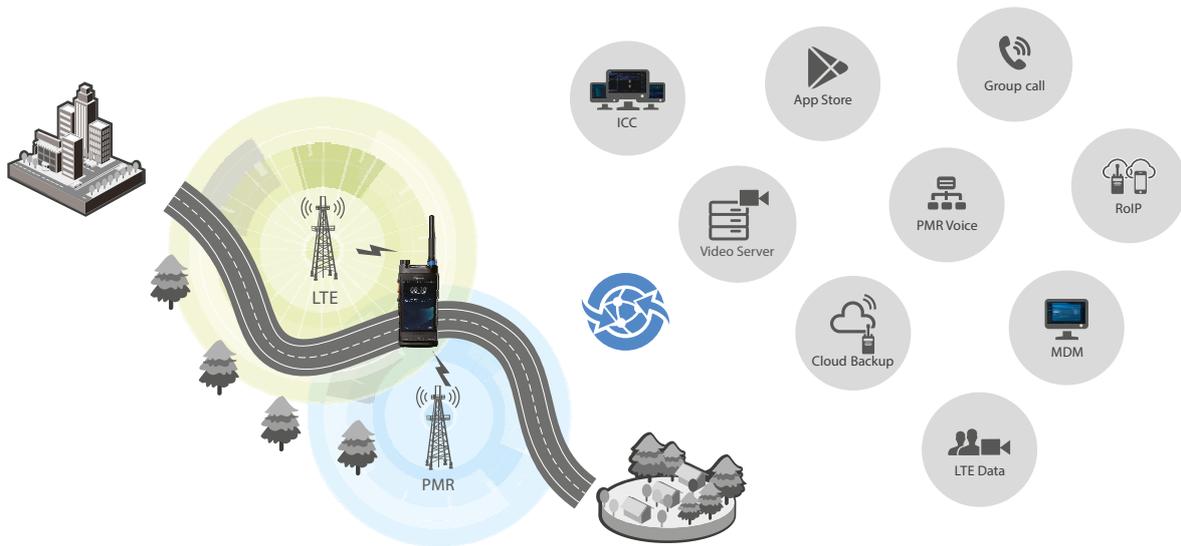
Hytera's PMR / LTE radios are a revolution in the world of professional mobile radio communications. They are the first of their kind to provide a truly convergent platform for the transmission of critical voice communications and LTE broadband data services.

Available as either a DMR or TETRA variant, combine narrowband mission critical communications with LTE broadband data throughput. PMR (DMR or TETRA) is best to deliver voice applications, including group and emergency calls, and 4G LTE provides fast data services to support a multitude of applications.

The LTE Multi-mode handset interconnects the two technologies to form a converged solution to allow users to enjoy the best of both worlds.

Whether it's machine-to-machine (M2M) or Internet of Things (IoT) data sharing of images and streaming video from the field, or even interrogating databases and roaming between sites, the Hytera multi-mode handset offers advanced functionality and flexible communications.

Converging on one device means staff do not have to carry two separate handsets to access the best in voice and data technology.



Sense

Hytera Multi-mode Advanced Radios deliver excellent situational awareness, smartly detecting the surrounding environment, providing alerts and acquiring data in real time. Communicating continuously with back-end systems, you can improve your operational effectiveness with instant feedback and informed decision making.



Seamless

Whenever and wherever you are operating, the Hytera Multi-mode Advanced Radios offer a great voice communication experience. Seamlessly switching between networks, these intelligent devices manage multiple communication modes, presented in a dedicated, user-friendly interface, to ensure that you can enjoy a seamless communication experience while the radio takes care of network transitions.



Supervision

Security of personnel and your voice or data transmissions is critical no matter the application. The Hytera Multi-mode Advanced Radios are designed to provide holistic secure control on your communications, adopting an effective link between the radio and back-end systems.



The ultimate communication device

Broadband and narrowband converged

The narrowband switches between digital and analog, the broadband supports all mobile networks, and the two systems collaborate to guarantee a smooth communication.

Two product variants

Two product variants are available: the PDC7 series with LTE and DMR support and the PTC7 series with LTE and TETRA.

Situational awareness

Advanced audio technology supported by in-built GPS positioning and front and rear cameras supporting 4K HD video for information gathering.

Multiple security assurances

The device supports authentication and both software and hardware encryption to prevent voice and data theft.

Rapid charging

The latest smart battery technology delivers fast charge, three times faster than regular batteries. With 80 % of the battery capacity charged within 30 minutes.

SmartKey

Allows the user to quickly toggle between widgets and applications on the device screen.

Screen design

Second screen on top for quick information and energy saving.

Rugged and reliable

Dust and waterproof, rated IP67, with scratch and shatter-resistant Gorilla® Glass 3.



Hytera VM685

This innovatively designed body-worn camera offers the ideal solution to capture, store and share evidence from the field. The in-built remote speaker microphone allows users to communicate efficiently, initiate an emergency alarm and deliver real-time video, even in low-light conditions, when paired with the Hytera Multi-mode Advanced Radio.

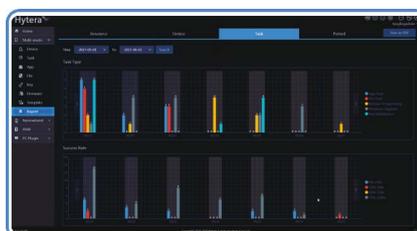
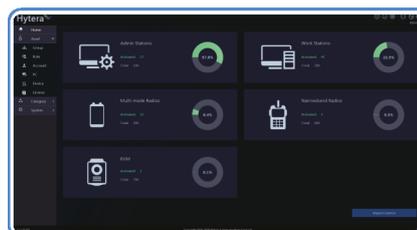
- Outstanding recording performance
- Designed for mission critical scenarios
- Ergonomic design for easy operation



Hytera SmartMDM

The Hytera Smart Mobile Device Management (MDM) fully utilizes broadband capacity to administrate your Multi-mode Advanced Radios. By traversing broadband networks, this solution conducts batch programming, upgrades, permission control and data backup.

- Efficient batch programming and upgrade
- Effective data collection and security analysis
- Quick configuration and OTAP programming



Technical Data LTE Multi-mode Advanced Radios

General specifications

Wireless connectivity	DMR (PDC7), TETRA (PTC7), LTE, CDMA, GSM, Wi-Fi, NFC, Dual-Bluetooth
Positioning system	GPS, BDS, GLONASS
Dimensions (H x W x D)	139.5 x 68 x 25.3 mm
Weight (with antenna & battery)	about 378 g
Top display	1.0 inch, 128 x 88 pixels
Main display	4.0", 800 x 480 pixels, capacitive touch screen, gloves compatible
Front camera	13 MP, 1080P HD, up to 30 frames per second (fps)
Rear camera	13 MP, 4K HD video
Battery life	Standard battery (2900 mAh): 14h (12h voice (5:5:90)+2h video) Optional battery (4000 mAh): 20h (18h voice (5:5:90)+2h video)

Environmental specifications

Protection against dust and moisture	IEC 60529, IP67
Shock and vibration resistance	MIL-STD-810 C/D/E/F/G
4FSK digitale modulation	12,5 kHz (nur Daten): 7K60FXD 12,5 kHz (Daten u. Sprache): 7K60FXW
Operating temperature range	-20 °C to +60 °C
Storage temperature range	-30 °C to +80 °C
Charging temperature range	+0 °C to +40 °C



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Encryption features are optional and have to be configured separately; they are also subject to German and European export regulations.

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