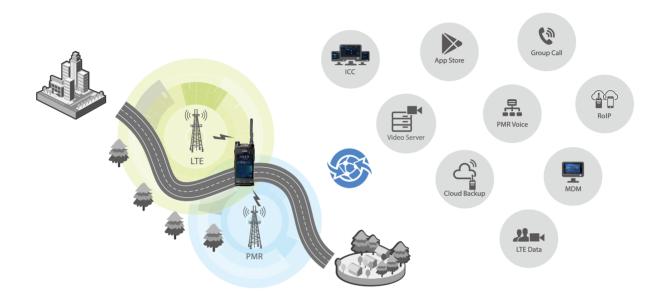




New Convergent Solution

Hytera's new Multi-mode Advanced Radio is a revolutionary device that was designed with the private radio network industry in mind. The first of its kind to offer a truly convergent platform for both critical voice communications and broadband data services. This innovative development marks a significant milestone within the two-way radio communications industry. The PDC760 supports multi-mode communications across a wide range of scenarios, whether its daily business operations or emergency response, broadband or narrowband, public or private networks, Hytera's multi-mode advanced radio can meet all your communications needs.

The PDC760 offers users a unified communications experience with a rich selection of applications and high-level data security; the radio is built to handle any critical communications situation and improve operational efficiency. The ergonomic design combined with a rugged chassis and touch-screen display support a new sensory experience to meet a diverse set of communications requirements that allows users to improve situational awareness to respond and achieve quickly and effectively.



Product Overview



Senses

The Hytera Multi-mode Advanced Radio delivers excellent situational awareness by 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. The device will become an extension of your senses, assuring your safety and enhancing your response with on-demand services.



Seamless

Whenever and wherever, Hytera Multi-mode Advanced Radio is always your best communication assistant and brings you great voice communication experience. With intelligent seamless network switch among multiple communication modes, the radio meets on-demand requirements to let you enjoy seamless and fresh communication experience without the limitation of time and space.



Supervision

In the public safety and utility industries, communications and data security is always a top priority. Hytera's PDC760 multimode advanced radio is designed to provide complete, secure control of your communications system. The radio offers effective linkage control between the radio and back-end systems and utilizes multiple encryption and authentication technologies to fully protect the radio system, data storage, data transmission and device control, effectively preventing a malware attack, illegal operation and data interception.

Interactive Design Features



Sensors: 6-axis E-compass, barometer, gyroscope, accelerometer, proximity sensor, Ambient light sensor Positioning systems: GPS, BDS, GLONASS Wired connection: accessory pins; Wireless connection: WLAN, NFC and BT

Highlights



Broadband and Narrowband Converged

Narrowband can switch between digital and analog operation while broadband supports all available mobile networks. The two systems collaborate to guarantee smooth communications.



Advanced audio technology, such as triple mic noise suppression, acoustic echo cancellation and wind noise suppression, to ensure you can receive and transmit clear voice communications even in noisy environments.



Multiple Security Assurances

The device supports authentication and both software and hardware encryption to prevent voice and data theft. The management system monitors the radio in real-time and the device can be stunned, killed, or data erased if there is any user abnormality.



Quick Charging

Equipped with the latest in smart battery technology, the PDC760 delivers quick charging, three times faster than regular batteries. 80% of the battery's capacity can be charged in just 30 minutes while a full



Open APIs to Enrich Services and Applications Customized Network Priority

Secondary Development Kits (SDKs) are available to third-party developers allowing organizations to customize applications to meet the unique demands of their users. Consequently, all mobile resources can be integrated into this single work platform allowing for customization that turns your PDC760 multi-mode radio into your smart mobile device.



You can set priorities of varied networks based on your requirements. If there are services from different networks at the same time, the radio first processes the one from the network with higher priority. The service from the network with higher priority can interrupt the one from the network with lower priority. It guarantees that you can pick up every important call.

Applications





The Hytera Smart Mobile Device Management (MDM) fully utilizes broadband capacity to facilitate your device management. The Hytera MDM is a mobile device management system that configures and manages Hytera Multi-mode Advanced Radios efficiently. It offers batch programming, upgrade, encryption, permission control, App and file push through WLAN and LTE network. Through a wireless network, the Hytera MDM solution can deliver concurrent operations, flexible remote-site control, and timely push actions to improve operational efficiency and reduce costs associated with device management.

The Hytera MDM also provides a full-life-cycle asset management system. The administrator can remotely track the working status of any device anywhere and anytime.

Product Concept

Batch

Efficiently manage multiple devices based on network concurrency.

Automatic

Set up task schedule for unattended operation to realize timed task automation and automatically create task

Traceable

Manage the radio full-lifecycle to track its configuration change. Even the radio is not at hand, its information can be tracked.

Compatible

Support both Hytera Multimode Advanced Radios and narrowband radios to realize an all-in-one management

Highlights

Efficient Batch Programming and Upgrade

Manage large fleet of radios concurrently to improve programming and upgrade efficiency.

Effective Data Collection and Security Analysis

Collect various radio data including parameters, configuration and diagnosis logs to monitor radio and eliminate security threats.

Rich Third Party APIs

Provide third party APIs for various service extensions such as cloud storage, streaming media, and interfacing with other systems.

Quick Configuration and OTAP Programming

Utilize the high-speed and reliable message channel between the radio and the console to enable or disable multiple settings such as GPS, BT, WLAN and NFC, and conduct OTAP of the radio through broadband.

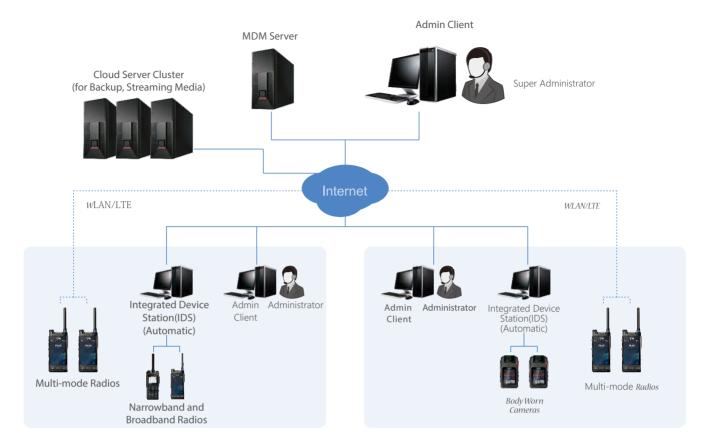
Multiple Group and Permission Control

Support multiple roles and hierarchical group management to clearly classify the permission and work range for better collaboration.

Diversified Services

Control application installation and uninstallation, license authorization, remote notification to the radio and file transmission. If the radio is compromised, the system is able to remotely erase sensitive data to avoid information leakage.

System Topology



System Functions





Asset

Asset management to set up archives for each radio.



Role Permission

Different roles for administrators to

conduct different management services.



• IDS

Unattended work station to process tasks and manage radios by batch concurrently.



Report

Generate reports for all-round tasks statistics and tracking.

Programming Template

Programming template management to create parameter sets for radio configuration.

Specifications

General Specifications

Dimensions

Weight (with

AP Processor

Memory

Ports

Top Display

Main Display

Front Camera

Rear Camera

Operating

Voltage

Sensors

(H x W x D)

antenna & battery)

Wireless Data Communication

DMR Analog	ETSI DMR Tier II/III UHF: 350-527 MHz VHF: 136-174 MHz
LTE	FDD-LTE: B2/B3/B4/B5/B7/B12/B13/B17/B20/B25/B26/B27 TDD-LTE: B41
CDMA	CDMA 1xRTT BC0/BC1/BC10(SEC800) CDMA2000 1xEV-DO BC0/BC1/BC10(SEC800)
WCDMA	B2/B4/B5
GSM	850/900/1800/1900MHz
WLAN	802.11 b/g/n, 2.4GHz
NFC	13.56MHz
Dual BT	V4.2 LE+EDR
Positioning System	GPS, GPS/BDS, GPS/GLONASS

139.5 x 68 x 25.3mm

Qualcomm 8-core, 2.0GHz

Expandable to 128GB with Micro SD card

Expandable to 16GB with Micro SD card

Capacitive, Touch screen, Gloves Compatible

20PIN Accessory/Charging Port 1.0" Color: black & white

378g

Broadband RAM: 3GB

Narrowband

4.0" 800x480

7.6V(Rated)

Barometer Gyroscope Accelerometer

13MP Auto Focus

13MP Auto Focus

Proximity Sensor Ambient Light Sensor 6-axis E-Compass

USB 2.0

ROM: 32GB eMMC

Transceiver

Channel Spacing	25/20/12.5kHz
TX Power	UHF: 1W/4W
RX Sensitivity	Analog: 0.3μV(12dB SINAD) 0.22μV(12dB SINAD)(Typical) 0.4μV(20dB SINAD) Digital: 0.3μV/BER5%
Inter-modulation	TIA-603: 70dB@12.5/20/25kHz ETSI: 65dB@12.5/20/25kHz
Blocking	84dB
Suppression of Spurious Response	TIA_603: 70dB@12.5/20/25kHz ETSI: 70dB@12.5/20/25kHz
Frequency Stability	±0.5ppm
Antenna Impedance	50Ω
Audio Output	2W(Rated)
Audio Distortion	≤3%
Microphone	NRR: 30dB(Static), 20dB(Non-static) AEC: > 60dB
Digital Vocoder Type	AMBE+2 [™]

Android Software

Operating System	Android 7.0
UI	HUI, Customized user interface

Video and Imaging

Video File Types	3GPP(.3gp), MPEG-4(.mp4), QuickTime(.mov), WEBM(.webm), Windows Media(.asf,.wmv), RealMedia(.rmvb, .rm), MPEG-PS(.mpg, .mpeg), MPEG-TS(.ts), AVI(.avi), Matroska(.mkv)
Image File Types	JPEG(.jpg), GIF(.gif), PNG(.png), BMP(.bmp)
Video Recording Quality	Front Camera: 1080P HD up to 30 frames per second(fps) Rear Camera: 4K HD
Watermark	Video and imaging

Audio

File Types	MP3(.mp3), WAV(.wav), 3GPP(.3gp), MPEG-4(.mp4,.m4a), ATDS raw AAC(.aac), MPEG-TS(.ts), FLAC(.flac), MIDI(.midi, .xmf, .mxmf), RTTTL/RTX(.rtttl, .rtx), OTA(.ota), iMelody(.imy), Ogg(.ogg), Matroska(.mka), QCELP(.qcp), RealMedia(.ra), Windows Media(.wma), AC3(.ac3)
Input	Triple Mic Noise Suppression Wind Noise Suppression Echo Cancellation

Battery

Standard	2900 mAh Li-polymer
Optional	4000 mAh
Battery Life	Standard Battery : 14h 12h voice(5:5:90)+2h video Optional Battery : 20h 18h voice(5:5:90)+2h video

Environment Performance

Dust and Water Proof	IEC 60529-IP67
Shock and Vibration	MIL-STD-810 G
Operating Temperature	-20°C-+60°C
Storage Temperature	-30°C -+80°C

Rich Features and Applications

Work Mode	Voice S	ervice	Security	Apps
Digital Conventional Analog Conventional DMR Trunking MPT Trunking Public Network	Pgroup Call Private Call All Call Broadcast Call Emergency Call Public Phone Call PSTN/PABX Call Alert Call	Alert Call Remote Monitor Priority Interrupt Override/Interrupt Call Queuing Call Priority	Emergency Alarm Stun/Kill/Revive Radio Check Man Down Lone Worker Authentication Over the Air Encryption Analog Scrambler	Contacts Messaging Camera Gallery Sound Recorder Files Documents Notes
Data Service	Aud	dio	Others	Calendar Clock
Text Message Status Message MMS Clarity Transmission Data Query	Microphone Audio Feedbac Microphon Speaker Three-band VC	ik Suppression ne Path Set Path Set d Equalizer	Positioning Scan and Roaming Covert Mode	Calculator Browser Compass

Optional Accessories



Body Worn Camera



Body Worn Camera with LCD



Remote Speaker Microphone



Covert Camera

4000mAh Smart

Battery



Carkit



Fast Charger



BT Heart Rate Earpiece



Transparent Earpiece



Wired Earset

Standard Accessories

Smart Battery (2900mAh Li-polymer) Belt Clip Power Adapter Antenna Color Ring Charger Strap



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