Specifications

Wireless Data Communication

PDT/Analog	350-527MHz, 136-174MHz
LTE	3GPP LTE FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B20/B26/B28 TDD-LTE: B38/B39/B40/B41
CDMA	CDMA 1xRTT BC0 CDMA2000 1xEV-DO BC0
WCDMA	B1/B2/B4/B5/B8
TD-SCDMA	B34/B39
GSM	850/900/1800/1900MHz
WLAN	802.11 b/g/n, 2.4GHz
NFC	13.56MHz
BT	V4.2, BDR+EDR+BLE
Positioning	GPS, GPS/BDS, GPS/GLONASS Position performance for open zone： TTFF (Cold boot)< 1minute TTFF(Hot boot)< 10seconds Horizontal position accuracy < 10meters

General Specifications

Dimensions (H x W x D)	139.5 x 68 x 25.3mm
Weight (with antenna & battery)	378g
AP Processor	8-core, 2.0GHz
Operation System	Android 7.0
Memory	Broadband: RAM: 3GB; ROM: 32GB eMMC Expandable to 128GB with Micro SD card Narrowband: Expandable to 16GB with Micro SD card
Ports	20PIN Accessory/Charging Port
Top Screen	1.0"Color: black & white
Main Screen	4.0" 1024x600, Color depth: 24bit
Slots	2x Micro SIM card slots 1x Narrowband Micro SD card slot 1x Broadband Micro SD card slot
Camera	Front&Rear 13MP, Auto Focus
Sensors	Proximity Sensor, Ambient Light Sensor, 6-axis E-Compass, Barometer, Gyroscope, Accelerometer

Battery

Standard	2900 mAh Li-polymer, 7.6V(Rated)
Optional	4000 mAh, 7.6V(Rated)

Transceiver

Channel Spacing	25/20/12.5kHz
TX Power	UHF: 1W/4W VHF: 5W
RX Sensitivity	0.3uV/-117.5dBm(12dB SINAD) 0.22uV/-120 dBm(12dB SINAD)(Typical) 0.4uV/-115 dBm(20dB SINAD) 0.3uV /-117.5 dBm @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
Adjacent Channel Selectivity	TIA_603: 60dB@12.5kHz/70dB@20/25kHz ETSI: 60dB@12.5kHz/70dB@20/25kHz
Frequency Stability	±0.5ppm
Audio Output	2W
Audio Distortion	⩽3%
Digital Vocoder Type	AMBE+2™, NVOC

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	Multi-Mic Noise Reduction, Wind Noise Suppression, Echo Cancellation

Environment

Dust and Water Proofing	IEC60529- IP67(1m, 0.5h)
Shock and Vibration	MIL-STD-810 G
ESD	IEC 61000-4-2 (Level 3)
Operating Temperature	-20°C ~ +60°C
Storage Temperature	-30°C ~ +80°C
Humidity	Per MIL-STD 810, ≤ +65°C,95%RH

Hytera
Respond & Achieve

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Hytera

Multi-mode Advanced Radio PDC760

ALL IN ONE ALL IN CONTROL BUSINESS CRITICAL STANDBY

www.hytera.com

Product Introduction

Mission-critical voice is the most crucial need of PMR users, and yet their demands on multimedia services, quick access to key data and mobile office automatic are gradually increasing. Today voice-only can no longer serve users with high efficiency and completed information in patrol and field enforcement. Those users are looking forward to a radio that provides real-time information follow and check anytime and anywhere.

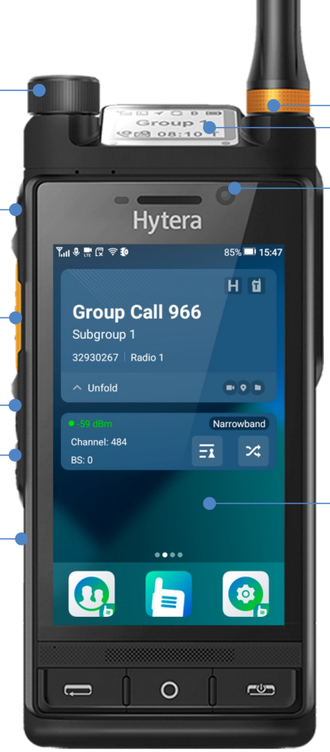
Combining a mission-critical radio and a smartphone into a single device, the PDC760 has a large screen and powerful application adaptability. It not only ensures the reliability of mission-critical voice communication, but also matches the needs on high speed transmission, e.g. video talk, real-time video sending and other integrated apps, making the very first move from single voice to multimedia services.

Key Benefits

- Device convergence
- Dual-screen
- Dual HD cameras
- Full PDT trunking
- RoIP
- Vehicle installation
- Dedicated knob
- Multi-frequency of cellphone
- Dual-SIM
- Remote control

Business-Critical Focused Design

The intuitive user interface used across the PDC760 enables quick access to critical information, makes it easy to use and also helps the users react faster when they are in emergency. The large screen and widget layout (self-defined) enable at-one-glance access to key information and instant operation to the business critical.



Volume/Contacts Knob

Smart key
Function varies from missions

Large PTT Button

2 Programmable Keys

Rugged and Durable Structure
Ip67
1.2 metres drop test
MIL-STD-810G

Identifiable Color Ring

Dual HD Cameras
Front & rear 13MP cameras
Rear camera supports 4K HD vido

Dual-Screen
Power saving
Easy-to-read tilt

Reliable Screen

Gorilla Glass III
Scratch-resistance, anti-impact, anti-fingerprint and oil resistance

Industrial LCD
Service life over 30,000h

Light and Compact

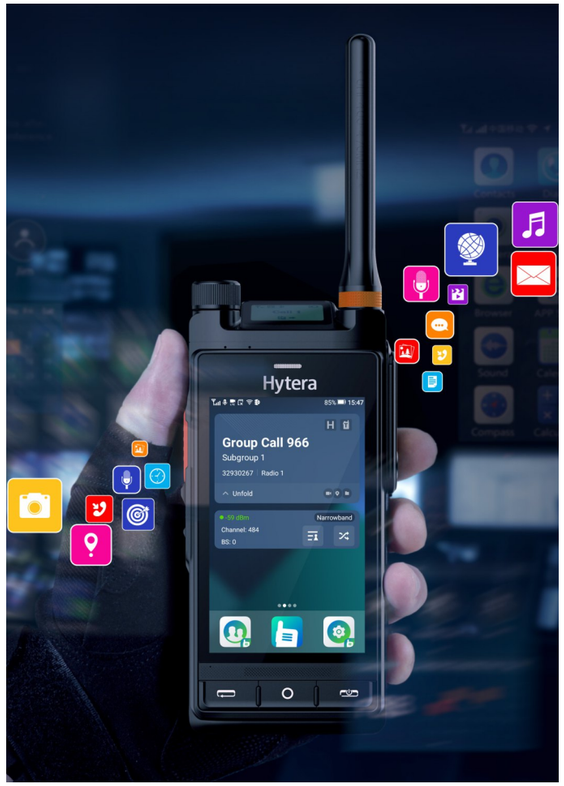
Combining a mission-critical radio and a smartphone into a single device, the PDC760 is 28% lighter than the two devices. It is completely PDT and Android functional for mission-critical communication, photo taking, video and app integrity.

Fusion Communication Ready

The Hytera HyTalk Pro solution integrated PDC760 supports communication with narrowband radios over broadband, extending the coverage to where the narrowband network is not available. The RoIP solution allows PDC760 to automatically select available or better network, register with narrowband and broadband networks with the same number to access different services, and use the same UI with that of the narrowband service. Users now can enjoy seamless fusion communication and get improved efficiency.

Powered by Android

The android powered PDC760 has various custom apps, e.g. the Navigator that provides routine planning and online navigation. The standard android API enables diverse adaptability and customization of different industry apps to build up a mobile office automatic platform. Please contact Hytera for detailed customization.



Intuitive Large Screen

The PDC760 has a 4-inch large screen with widget layout, which is intuitive to obtain critical information and easy to use.

Dual HD Cameras

Both the front and the rear cameras are 13MP. The entirely new cameras offer high quality images and support 4K video taking. Benefiting from high definition camera, video talk is also available in mission critical.

Powerful Broadband Voice Services

The Hytera HyTalk MC or Hytera HyTalk Pro solution integrated PDC760 provides broadband voice services to extend the radio coverage. Hytera HyTalk MC is a PMR characterized talk solution deployed over public networks to provide stable and reliable PTT communication, high-speed data applications and multimedia services. Hytera HyTalk Pro is another solution that provides high-quality audio and video services, instant messaging. Enjoy the efficiency of audio and live videos over broadband delivered by PDC760.

Vehicle Installation

Install the car-kit in the vehicle to fix the radio and set up a mobile platform with a suite of accessories.

All-round Security Assurance

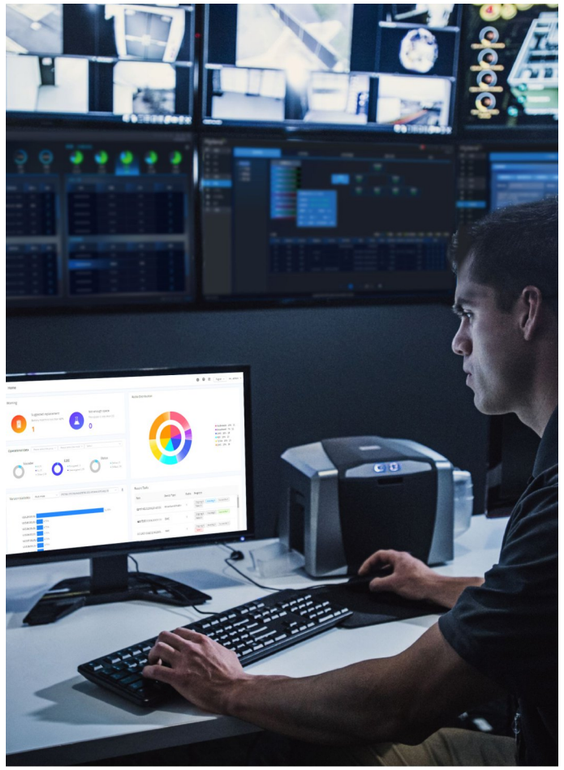
Multiple defensive mechanisms have been built to the PDC760 to safeguard your communications. Signature authentication and preconfigured Se Android security strategy utilized to ensure the system security. All static user data is full-disk encrypted, while E2EE and AIE are used to secure data transmission. The management to PDC760 is based on industry standards to make the radio in complete control.

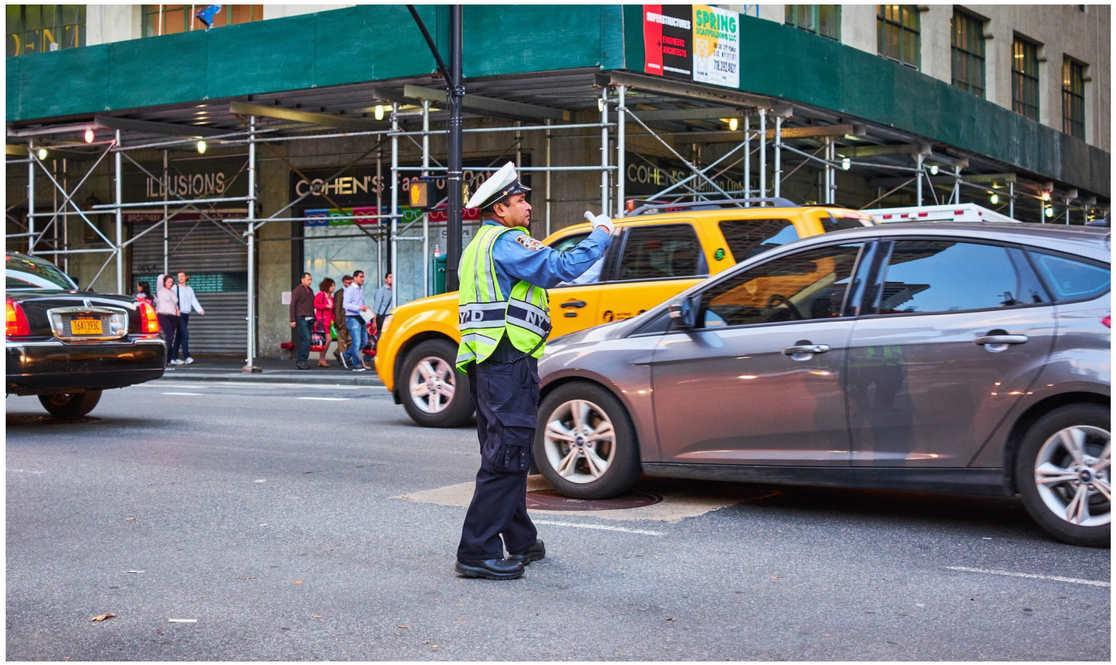
Flexible Connectivity

Support wired PIN connection and connections over WLAN, BT and NFC to a wide range of audio accessories, making it optimum for the frontline operatives to use their radios with higher efficiency.

Complete Control via Smart MDM

Smart MDM is the system to remotely manage your PDC760 in batch. It takes 5 minutes only to wirelessly program 100 radios, which saves 95% of time compared with wired programming. Stay in complete control over the radio with many other features for example remote firmware upgrades, multi-command, feature and application permissions, over-the-air wipe and lock capability, data backup and recovery.





Well-informed Decision for Frontline

Although mission-critical voice is the priority of all priorities to public security users, the benefits of multi-mode advanced radio to them are far more.

Adaptive to 3rd Party App and Accessory

The frontline officers check the vehicle and driver information through the custom third party app installed on the radio. Connect the specific accessory like BT printer for field printing the ticket.

Broadband Ready

The multi-mode advanced radio is PDT and Android functional so that officers are no longer overburdened by too many device, and no need to frequently change the device for different missions. It uses broadband resources, for example, WLAN, telephone call, RoIP solution, to cover those areas out of narrowband, enabling the user to keep in touch wherever he moves to.

Real-time Audio and Video

Equip the radio with a covert camera to provide real-time audio and video to tell and show the situation for better-informed quick decision.

Better Organization Efficiency

Been coupled with a package of intelligences, the PDC760 radio serves the airport staff with more considerate and more efficient management to help the professionals provide high level of customer services.

Mobile OA Available

The PDC760 allows the airport professionals to install their customized apps, such as W/O, flight check, airline dispatching, that use narrowband path as well as broadband path to increase their productivity. These apps enable the professionals to distribute and follow up tasks in a standard operating procedure, share information and interact online.

Control by Batch

Using Smart MDM to remotely manage the radio fleet not only makes the device ready in the shortest time, but also minimizes the manpower input and organizational disruption, enabling the professionals 24-hour on call to maintain the high level of customer services.

Always Focus on the Mission

Besides the mission-critical voice communication, the multi-mode advanced radio is using both broadband and narrowband paths to ensure the real-time data report about the inspection.

App Data over Broadband and Narrowband

The app on multi-mode radio can use the narrowband path to transmit the app data in areas out of broadband coverage, ensuring the real-time patrol and check data upload.

Single One Device for All Needs

The PDC760 provides mission-critical voice communication, and installs third party apps as well. Users no longer need to carry several devices and frequently change the device.

Accessories

Optional Accessories


Body Worn Camera with LCD


Convert Camera


Wired Earset


Transparent Earpiece


Wireless PTT


Remote Speaker Microphone


USB Connector


4000mAh Smart Battery


Multi-unit Charger


Fast Charger


Programming Cable


Carkit

Standard Accessories

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

Main Services

Work Mode	Voice Service	Data Service	Apps	Security	Audio	Others
Public Network	Private Call	Text Message	Contacts	Emergency Alarm	Microphone Gain Control	Positioning
Digital Conventional	Group Call	Status Message	Messaging	Stun/Kill/Revive	Microphone Path Set	Call Location
Analog Conventional	All Call	MMS	Camera	Man Down	Three-band Equalizer	Covert Mode
PDT Trunking	Broadcast Call	Clarity	Gallery	Lone Worker	VOX	TTS(Text to Speech)
MPT Trunking	Emergency Call	Transmission	Sound	Authentication	Audio Feedback	Scan and Roaming
XPT	Public Phone Call	Data Query	Recorder	E2EE	Suppression	RoIP
	VoLTE HD Call		Files	Over the Air Encryption		
	PSTN/PABX Call		Documents	Radio Check		
	Call Queuing		Notes	Analog Scrambler		
	Call Priority		Clock			
	NB Call Recording		Calculator			
	Alert Call		Browser			
	Remote Monitor		Compass			
	Priority Interrupt		DECam			
	Override/Interrupt		Navigator			
			Tips			