Hytera

Hytera Communications Corporation Limited

Stock Code: 002583.SZ

Address: Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen, P.R.C

Tel: +86-755-2697 2999 **Fax:** +86-755-8613 713 **Post:**518057

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Hytera

MCS & PoC Radio and Platform

Product Catalog



Hytera

Industry Smart Device

Product Catalog



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Hytera

Dual-mode Rugged Radio

Product Catalog



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Hytera

PoC Radio

Product Catalog



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Hytera

Multimedia Communication Platform

Product Catalog



Hytera Communications Corporation Limited

Stock Code: 002583.SZ

Address: Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen, P.R.C

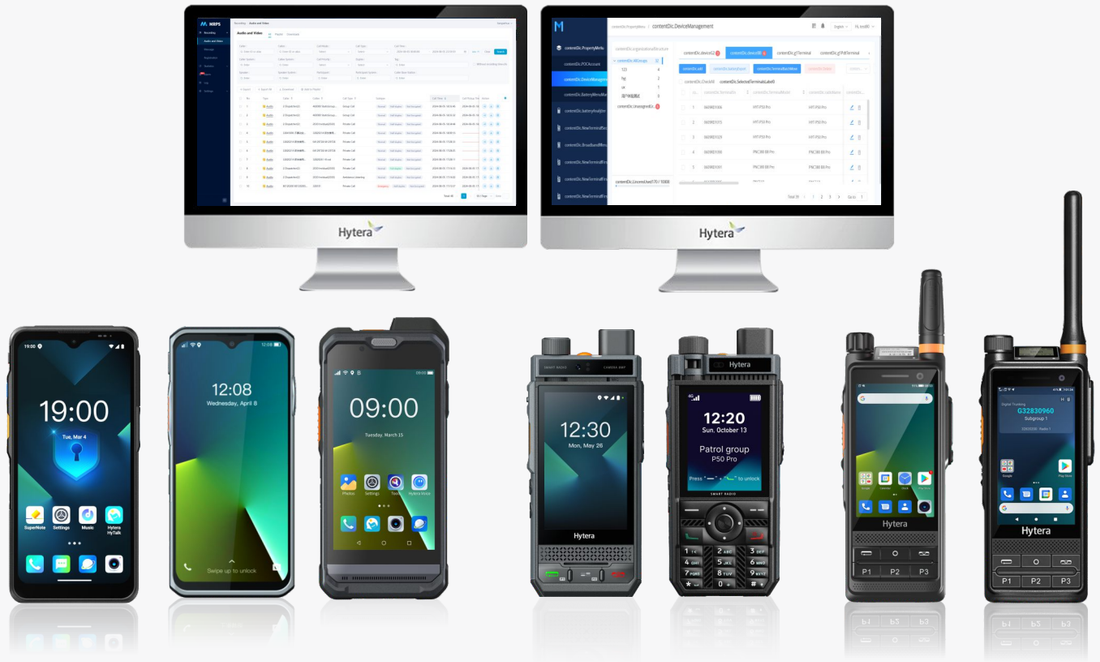
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MCS Radio

Industry Smart Device

Dual-mode Rugged Radio

PoC Radio

Multimedia Communication Platform

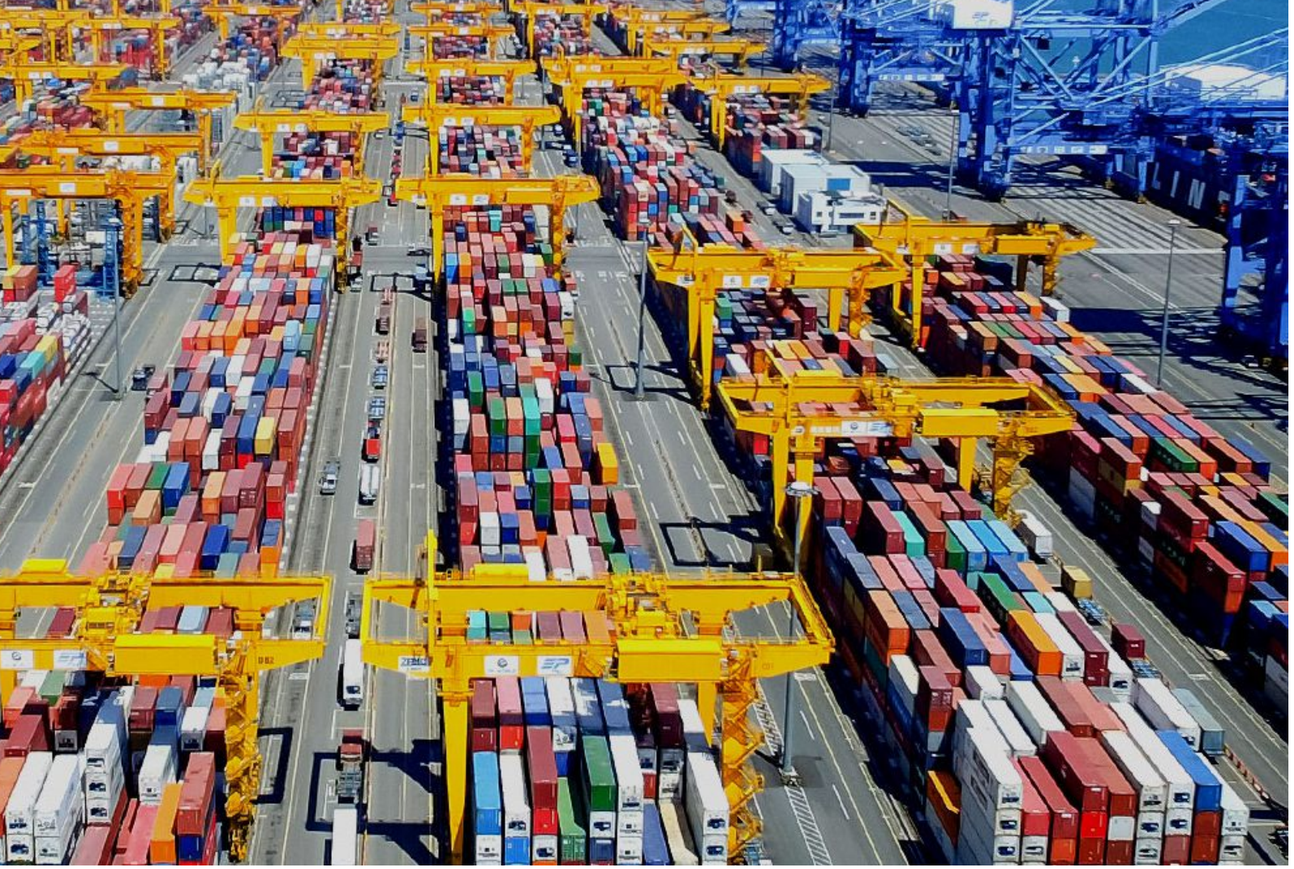
Hytera HyTalk

Hytera HyTalk Pro

Hytera HyTalk MC

Multimedia Unified Communication Platform

Mobile Device Management Platform





MISSION CRITICAL RUGGEDIZED DEVICE

PNC660 450MHz

Mission First, Safety Always.

The PNC660 450MHz features advanced hardware and top-tier security tech for reliable 5G communication, equipped with a CC EAL5+ compliant security chip and comprehensive protection mechanism. Compliant with the 3GPP R15 standard, the PNC660 450MHz delivers high reliability for critical missions. Its intuitive design, integrated with industry applications, enhances efficiency and usability.

Application Scenarios

Municipal Service | Public Safety | Airports | Railway

Uncompromised Mission-Critical Performance

Industry-Leading Communication and Connectivity
3GPP R15-Compliant | MCx Services (PTT/DATA/VIDEO)
Optimized QCI for Mission-Critical Services (QCI 65/66/67/69/70)
Ultra-Low Latency MSP: 40ms
eMBMS Support for Efficient Broadcast Communication
Seamless App Persistence for Continuous Operation

Unyielding Safety and Security

Robust Multi-Layered Security
End-to-End Protection: Hardware to Applications
Independent Security Chip and Multi-Level Anti-Tamper Mechanism
Comprehensive Security Framework: Secure Boot Mechanism, Authentication Login and Access Control, Usage and Maintenance Protection

Advanced High-Performance Camera System

Advanced Imaging Capabilities
Triple Camera System: 50 MP Ultra-Clear Rear Camera, 8 MP Rear Camera, 13 MP Front Camera
HDR for Enhanced Contrast and Detail
Image Stabilization Algorithm for Steady Shots
Super Night Mode for Low-Light Excellence

Ergonomic Industrial Design for Maximum Comfoart

Ergonomic and User-Centric Design
6.3-inch Dewdrop LCD Display (1080 × 2340 pixels)
Large PTT Key for Instant Communication
Dedicated Secure Key and Programmable Smart Key
Dual Type-C Interface for Versatile Connectivity

Crystal-Clear Audio with Authentic Sound

Unparalleled Audio Performance
SK Tune Algorithm for Audio Optimization
Wind Noise Cancellation for Clear Communication in Harsh Environments
Zero Howling Technology for Feedback-Free Calls
Advanced Noise Reduction: Cancels Ambient Noise by 40 dB
Loud and Clear: 102 dB Output @ 5 cm
Exceptional Clarity Even in 85 dB Noisy Environments

Empowering Critical Missions with Confidence

Unmatched Performance and Battery Life
Powerful 6nm 8-Core CPU | 2.7 GHz Main Frequency
Long-Lasting 5000 mAh Detachable Battery
33W Fast Charging: Full Charge in 1.5 Hours
Precision Positioning for Critical Operations
GPS and BDS Dual-Frequency for High-Accuracy Location Tracking
Hybrid Positioning Mode for Enhanced Reliability

Specifications

Frequency Band		
Broadband Network	2G:	850/900/1800/1900
	WCDMA:	B1/B2/B4/B5/B8
	LTE-FDD:	B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B26/B28 (Full Band) /B66/B68/B71
	LTE-TDD:	B34/B38/B39/B40/B41(2496~2690MHz) /B42/B43/B48
	NR:	N1/N2/N3/N5/N7/N8/N12/N20/N28/N38/N40/N41/N48/N66/N71/N77/N78/N79
	HPUE:	B41/B42/N41/N78/N79
	4*4 MIMO:	N41/N77/N78/N79
	NR 2T4R:	N41/N77/N78/N79

General	
Operating System	Android 14+
CPU	6nm, Octa-core(1x2.7GHz, 3x2.4GHz, 4x1.9GHz)
AI Performance	~13 TOPS
Memory	RAM: 8GB, ROM:128GB/256GB
Dimensions(H x Wx D)	166.6mm x 77.6mm x 14.3mm(without external antenna)
Weight	290g
Screen Size	6.3-inch FHD 1080x2340 Corning Gorilla Glass 5
Cameras	Front: 13MP, Rear: 50 MP and 8 MP
Flashlight	Available
Battery	5,000 mAh
Charging	USB Type-C Fast Charge (33W)
Card Slot	Nano-SIM Card*2 , Supports eSIM, TF Card*1
Speaker	3W
WLAN	6E, Support 802.11 a/b/g/n/ac/ax, 2.4GHz+5GHz+6GHz
Sensor	Fingerprint Recognition Reader, Gr avity Accelerometer, Gyroscope, Magnetometer, Proximity Sensor, Ambient Light Sensor, Barometer
Positioning	GPS Dual-Frequency/GALILEO/A-GPS
NFC	Available
Video Resolution	Encode 4K 30fps, Decode 4K 60fps
Interfaces	Bottom USB Type-C 3.1 Gen2 & Side USB Type-C Port, Supports DP1.4
Front Indicator Light	Available (one light with red, green, and blue colors)

Environment	
Operating Temperature	-20℃ to + 60℃
Storage Temperature	-30℃ to + 70℃
Environmental Compliance	RoHS/REACH
ESD	IEC 61000-4-2, (ESD)±12 kV (Air); ±8 kV (Contact)
Ingress Protection	IP68
Drop-proof	1.5m

Certification	
Certification	CE/GMS/IP68/MIL-STD 810H /E112 /common charging/EN18031

Accessories

Standard | Optional


Battery


Data Cable


33W Adapter


Tempered Glass


450MHz Antenna


Backup Rear Cover


Wireless PTT


Wired Earpiece


Wired Remote Speaker Microphone


Wireless Remote Speaker Microphone


Wireless Remote Speaker Microphone


Charger



MISSION CRITICAL RUGGEDIZED DEVICE

PNC660

Mission First, Safety Always.

The PNC660 features advanced hardware and top-tier security tech for reliable 5G communication. Equipped with a CC EAL5+ compliant security chip and comprehensive protection mechanism. Compliant with the 3GPP R15 standard, the PNC660 delivers high reliability for critical missions. Its intuitive design, integrated with industry applications, enhances efficiency and usability.



Application Scenarios

Municipal Service | Public Safety | Airports | Railway

Uncompromised Mission-Critical Performance

Industry-Leading Communication and Connectivity
3GPP R15-Compliant | MCx Services (PTT/DATA/VIDEO)
Optimized QCI for Mission-Critical Services (QCI 65/66/67/69/70)
Ultra-Low Latency MSP: 40ms
eMBMS Support for Efficient Broadcast Communication
Seamless App Persistence for Continuous Operation

Unyielding Safety and Security

Robust Multi-Layered Security
End-to-End Protection: Hardware to Applications
Independent Security Chip and Multi-Level Anti-Tamper Mechanism
Comprehensive Security Framework: Secure Boot Mechanism, Authentication Login and Access Control, Usage and Maintenance Protection

Advanced High-Performance Camera System

Advanced Imaging Capabilities
Triple Camera System: 50 MP Ultra-Clear Rear Camera, 8 MP Rear Camera, 13 MP Front Camera
HDR for Enhanced Contrast and Detail
Image Stabilization Algorithm for Steady Shots
Super Night Mode for Low-Light Excellence

Ergonomic Industrial Design for Maximum Comfoart

Ergonomic and User-Centric Design
6.3-inch Dewdrop LCD Display (1080 × 2340 pixels)
Large PTT Key for Instant Communication
Dedicated Secure Key and Programmable Smart Key
Dual Type-C Interface for Versatile Connectivity

Crystal-Clear Audio with Authentic Sound

Unparalleled Audio Performance
SK Tune Algorithm for Audio Optimization
Wind Noise Cancellation for Clear Communication in Harsh Environments
Zero Howling Technology for Feedback-Free Calls
Advanced Noise Reduction: Cancels Ambient Noise by 40 dB
Loud and Clear: 102 dB Output @ 5 cm
Exceptional Clarity Even in 85 dB Noisy Environments

Empowering Critical Missions with Confidence

Unmatched Performance and Battery Life
Powerful 6nm 8-Core CPU | 2.7 GHz Main Frequency
Long-Lasting 5000 mAh Detachable Battery
33W Fast Charging: Full Charge in 1.5 Hours
Precision Positioning for Critical Operations
GPS and BDS Dual-Frequency for High-Accuracy Location Tracking
Hybrid Positioning Mode for Enhanced Reliability

Specifications

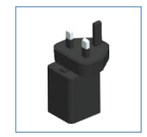
Network		
Broadband Network	2G:	850/900/1800/1900
	WCDMA:	B1/B2/B4/B5/B8
	LTE-FDD:	B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B26/B28 (Full Band) /B66/B68/B71
	LTE-TDD:	B34/B38/B39/B40/B41(2496~2690MHz) /B42/B43/B48
	NR:	N1/N2/N3/N5/N7/N8/N12/N20/N28/N38/N40/N41/N48/N66/N71/N77/N78/N79
	HPUE:	B41/B42/N41/N78/N79
	4*4 MIMO:	N41/N77/N78/N79
	NR 2T4R:	N41/N77/N78/N79
General		
Operating System		Android 14
Memory		RAM: 8GB, ROM:128GB/256GB
Dimensions(H x Wx D)		166.6mm x 77.6mm x 14.3mm
Weight		280g
Screen Size		6.3-inch FHD 1080x2340 Corning Gorilla Glass 5
Cameras		Front: 13MP, Rear: 50 MP and 8 MP
Battery		5,000 mAh
Charging		USB Type-C Fast Charge (33W)
Card Slot		Nano-SIM Card*2 , Supports eSIM, TF Card*1
Speaker		Dual 3W Speakers (6W Peak Output)
WLAN		6E, Support 802.11 a/b/g/n/ac/ax, 2.4GHz+5GHz+6GHz
Sensor		Fingerprint Recognition, Gravity Accelerometer, Gyroscope, Magnetometer, Proximity Sensor, Ambient Light Sensor, Barometer
Positioning		GPS (Support L1&L5)/BDS/GLONASS/GALILEO/A-GPS
NFC		Available
Video Resolution		Encode 4K 30fps, Decode 4K 60fps
Interfaces		Bottom USB Type-C 3.2 Gen2 & Side USB Type-C Port
Environment		
Operating Temperature		-20℃ to + 60℃
Storage Temperature		-30℃ to + 70℃
Environmental Compliance		RoHS/REACH
ESD		IEC 61000-4-2, (ESD)±12 kV (Air); ±8 kV (Contact)
Ingress Protection		IP68
Drop-proof		1.5m
Certification		
Certification		CE/GMS/IP68/MIL-STD 810H /E112

Accessories

Standard ☐ Optional ☐


Battery


Data Cable


33W Adapter


Tempered Glass


Wired Earpiece


Wired Remote Speaker Microphone


Wireless PTT


Wireless Remote Speaker Microphone


Charger



Wireless Remote Speaker Microphone





XRugged Smart Device

PNC460 RTK

Designed for Work Efficiency
RTK High-Precision Positioning Version

Hytera PNC460 is built to improve efficiency in the workplace today and tomorrow. It has both smartphone and push-to-talk over cellular (PoC) radio capabilities, empowering your team to connect and collaborate more seamlessly at work. Moreover, the PNC460 is truly rugged to brave any harsh environments. Where there is tough work, there is the PNC460.

Powered by the Android 12, the PNC460 allows you to use countless apps to get things done in less time and with less hassle. Beyond data-rich services, it also provides reliable PTT communications, from instant PoC calls to video-based dispatch. All is born to drive efficiency for professionals in logistics, transportation, electricity, and more.

Application Scenarios

Transportation | Industrial parks | Airports | Customs | Logistics

RTK High-Precision Positioning

The PNC460 integrates RTK-based, high-precision, centimeter-level positioning capability, which provides robust technical support for customers' precise deployment and control efforts while effectively enhancing their management efficiency. This capability delivers consistent performance across various practical use cases—including precision positioning, distance measurement, and area calculation—thereby ensuring the efficient progression of operational workflows.

External Antenna

Unlike the radios with the built-in antenna, the PNC460 comes with the external antenna that has a 70% higher RX capability. So even in the area with weak signal strength such as mountain and underground garage, the PNC460 still conveys accurate information without missing any words.

Hytera-developed Toolkit Help you work better

With versatile ready-to-use Hytera-developed tools such as noise meter, gradienter, altimeter, plumb, pedometer, and protractor, the PNC460 lets you work efficiently and effortlessly.

Android 12 OS Simplify your workday

With the Android 12 OS, the PNC460 delivers the familiar experience and ease of use that the professionals want. More importantly, it provides an open and inclusive platform to run a wide variety of key apps, making everyday tasks easier and faster.

Professional Acoustic System

With the powerful speaker and sophisticated noise cancellation technologies, the PNC460 delivers crystal-clear audio in any noisy environment such as electrical maintenance field, port, and factory. This best-in-class audio promises a high-quality communication experience in any work environments.

Exceptional Durability

The PNC460 is perfect for professionals working in the most demanding environments. It has tough exteriors and reinforced components to survive dust, water, snow, 1.5-meter sudden drops, extreme temperatures (–20°C to +60°C), and more.

Specifications

Frequency Range	GSM: 850/900/1800/1900 WCDMA: B1/B2/B3/B4/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 (2496–2690 MHz) FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B26/B28
Operating System	Android 12
Storage	4 GB RAM + 64 GB ROM
TF Card	128 GB (max.)
Dimensions (L × W × D)	164 mm × 77 mm × 14 mm (No antenna included)
Screen Size	5.0 inches
Screen Resolution	1920 × 1080
SIM Slots	2 × Nano-SIM
Location	GPS (L1&L5)/A-GPS/BDS/GLONASS/Galileo
Sensor	Acceleration/gyroscope/geomagnetic/opto-sensor
WLAN	2.4 GHz&5 GHz, 802.11 a/b/g/n/ac
NFC	Available
Interfaces	USB Type-C port 3.5 mm audio jack
Battery Capacity	4,500 mAh
Charging Interface	USB Type-C port
Speaker	3 W (max.)
Motor	Available
Cameras	Rear: 50 MP; Front: 8 MP
Video Resolution	1080p@60fps
Operating Temperature	–20°C to +60°C
Storage Temperature	–30°C to +70°C
Electro-Static Discharge (ESD)	IEC 61000-4-2; ±12 kV (air); ±6 kV (contact)
IP Rating	IP68
Drop Resistance	1.5 m
Location precision	Horizontal Accuracy: 3cm (CEP95)
Vertical accuracy	5cm (CEP95)
Convergence time	2~30s
System and Frequency Band	GPS: L1 C/A,L2C, L5; Galileo: E1,E5b, E5a, E6 Beidou: B1I. B3I. B2a; QZSS: L1,L2, L5(Japan/Korean)
Data protocol	OSR: Ntrip 1.0/2.0; RTCM 3.1&3.2; SSR: Proprietary protocol
Coordinate and Framework	ITRF2020; WGS84
Location frequency	1Hz

Accessories

Standard ▭ Optional ▭


Battery


Power Cord


Power Adapter


Wired Earpiece


Wireless Earpiece (with PTT)


Wireless Ring PTT


Charger


Wireless Remote Speaker Microphone


Nylon Carrying Case





XRugged Smart Device

PNC460

Designed for Work Efficiency

Hytera PNC460 is designed to improve efficiency in the workplace today and tomorrow. It has both smartphone and push-to-talk over cellular (PoC) radio capabilities, enabling your team to connect and collaborate more seamlessly at work. Furthermore, the PNC460 is truly rugged to brave any harsh environments. Where there is tough work, there is the PNC460. Powered by Android 12, the PNC460 allows you to use a multitude of apps to get things done in less time and with less hassle. Beyond data-rich services, it also provides reliable PTT communications, from instant PoC calls to video-based dispatch. All is born to drive efficiency for professionals in logistics, transportation, electricity, and more.

Application Scenarios

Transportation | Industrial parks | Airports | Customs | Logistics

3GPP MCX Services

The PNC460 supports dedicated 3GPP MCX service QCIs and complies with the 3GPP release features by the HyTalk MC platform.

Precise Positioning

Thanks to the built-in dual-frequency GPS (L1+L5) chip, the PNC460 provides real-time, precise location for the dispatcher with the accuracy improved to 2 meters. Know where your devices are. Keep your personnel safe.

External Antenna

Unlike radios with built-in antennas, the PNC460 comes with the external antenna that has a 70% higher RX capability. The PNC460 still conveys accurate information even in areas with weak signal strength, such as mountains or underground garages.

Powerful Camera System

The PNC460 boasts unmatched photography capabilities, thanks to a 50 MP rear camera with HDR technology and the image stabilization algorithm. It can capture clear pictures and stable live videos in the field, and feed them to the command center in real-time over the 3G, 4G, or WLAN network.

Professional Acoustic System

With powerful speakers and advanced noise cancellation technologies, the PNC460 provides crystal-clear audio in any noisy environment, such as electrical maintenance fields, ports, and factories. This top-notch audio promises a high-quality communication experience in any work environment.

Exceptional Durability

The PNC460 is perfect for professionals working in the most demanding environments. It is IP68-rated. The device has tough exteriors and reinforced components to survive dust, water, snow, 1.5-meter sudden drops, extreme temperatures (–20°C to +60°C), and more.

Specifications

Network	
Frequency Band	GSM:850/900/1800/1900 WCDMA:B1/B2/B3/B4/B5/B8 TDD-LTE:B34/B38/B39/B40/B41(2496-2690MHz) FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B26/B28

General	
Operating System	Android 12
Memory	4 GB RAM + 64 GB ROM
Dimensions(H x Wx D)	164×77×14mm
Weight	275g
Screen	5.0 inches (1920×1080)
SIM Slots	2×Nano-SIM
Location	GPS(L1+L5)/ BDS/ GLONASS/ A-GPS/ Galileo
WLAN	2.4 GHz&5 GHz,802.11 a/b/g/n/ac
Interface	USB Type-C port 3.5 mm audio jack
Charging Mode	USB Type-C port
Speaker	3W (max)
Battery	4,500 mAh
Camera	Front: 8 MP, Rear: 50MP
Video Resolution	1080p@60fps
NFC	Available
Sensor	Acceleration/gyroscope/geomagnetic/opto-sensorr

Environment	
Operating Temperature	-20°C to +60°C
Storage Temperature	-30°C to +70°C
Electro-Static Discharge	IEC61000-4-2 ±12 kV (Air) ±6 kV (Contact)
Ingress Protection	IP68
Drop-proof	1.5m

Accessories

Standard ▭ Optional ⬚


Battery


Power Cord


Power Adapter


Wired Earpiece


Wireless Earpiece (with PTT)


Wireless Ring PTT


Wireless Remote Speaker Microphone


Charger





Intrinsically Safe Smart Device

PNC460U

Your Safety and Efficiency, Assured

If you are operating the petroleum, chemical plant, pharmaceutical factory, or other workshops with potentially explosive gases, dusts or chemical vapors, you must want to find a way that never compromises on both work efficiency and personal safety at all times. Now, Hytera PNC460U makes it. The PNC460U is a UL913-certified intrinsically safe smart device with the capabilities of large-screen smartphone and push-to-talk over cellular (PoC) radio rolled into one. It provides purpose-built apps, instant PoC calls, video-based dispatch, and more to get things done in less time and with less hassle. Work safer. Work more efficiently.

Application Scenarios

Chemical production | Food processing | Thermal power | Mining | Petrochemical plants

Enhance workplace safety

The PNC460U is designed for hazardous locations with potentially explosive gas and combustible dust, in compliance with the explosion-proof requirements for use in Class I, II, III; Division 1; Groups C–G; T4 and -20°C to +60°C. So the PNC460U can always provide reliable communications and efficient services for you, even in extreme working environments.

Android 12 OS

With the Android 12 OS, the PNC460U delivers the familiar experience and ease of use that the professionals want. More importantly, it provides an open and inclusive platform to run a wide variety of key apps, making everyday tasks easier and faster.

Powerful Camera System

The PNC460U boasts unmatched photography capabilities, thanks to a 50 MP rear camera with HDR technology and the image stabilization algorithm. It can capture clear pictures and stable live videos in the field, and feed them to the command center in real-time over the 2G, 3G, 4G, or WLAN network. This is crucial for dispatchers to know what happened, significantly improving collaboration and outcomes.

Professional Acoustic System

With powerful speakers and advanced noise cancellation technologies, the PNC460U provides crystal-clear audio in any noisy environment, such as electrical maintenance fields, ports, and factories. This top-notch audio promises a high-quality communication experience in any work environment.

Precise Positioning

Thanks to the built-in dual-frequency GPS (L1+L5) chip, the PNC460U provides real-time, precise location for the dispatcher with the accuracy improved to 2 meters. Know where your devices are. Keep your personnel safe.

External Antenna

Unlike radios with built-in antennas, the PNC460U comes with an external antenna that has a 70% higher RX capability. The PNC460U still conveys accurate information even in areas with weak signal strength, such as mountains or underground garages.

Specifications

Network	
Frequency Band	GSM:850/900/1800/1900 WCDMA:B1/B2/B3/B4/B5/B8 TDD-LTE:B34/B38/B39/B40/B41(2496-2690MHz) FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/ B17/B20/B26/B28

General	
Operating System	Android 12
Memory	6 GB RAM + 128GB ROM
Dimensions(H x Wx D)	164×77×23mm
Weight	337g
Screen	5.0 inches (1920×1080)
SIM Slots	2×Nano-SIM
Location	GPS(L1+L5)/ BDS/ GLONASS/ A-GPS/Galileo
WLAN	2.4 GHz&5 GHz,802.11 a/b/g/n/ac
Interface	USB Type-C port 3.5 mm audio jack
Charging Mode	USB Type-C port
Speaker	3W (max)
Battery	4,580 mAh
Camera	Front: 8 MP, Rear: 50MP
Video Resolution	1080p@60fps
NFC	Available
Sensor	Acceleration/gyroscope/geomagnetic/ opto-sensorr

Environment	
Operating Temperature	-20°C to +60°C
Storage Temperature	-30°C to +70°C
Electro-Static Discharge	IEC61000-4-2 ±12 kV (Air) ±6 kV (Contact)
Ingress Protection	IP68
Drop-proof	1.5m

Certification	
Certification	CE / UI913/ MIL-STD-810/ IP68
Explosion-proof grade	Class I, II, III, Division 1, Groups C-G, T4, -20°C to +60°C

Accessories

Standard ▭ Optional ▭


Battery


Power Cord


Power Adapter


Wired Earpiece





5G XSecure Rugged Device

PNC560

Focus On Your Mission

Hytera PNC560 is a secure, reliable, and efficient 5G communication device designed to stay connected in any situation.It offers mission-critical push-to-talk (MCPTT) over 5G/LTE network with ultra-fast speed and low latency. It also provides the full power of 5G for ultra-fast data services and the best two-way radio for instant voice communications, including group and emergency calls. The PNC560 delivers powerful audio, higher quality video streaming, barcode and QR code scanning, greater durability, and impressive usability. This improves efficiency and performance for users in public safety, logistics, or airports.

Application Scenarios

Public safety | Utility | Airports | Railway | Industrial parks

3GPP MCX Services

The PNC560 supports dedicated 3GPP MCX service QCIs and 40ms short MSP for eMBMS service and complies with the latest 3GPP release features by the HyTalk MC platform.

Unbreakable Data Security

PNC560 employs a multi-layer security mechanism integrated with both hardware and software design to provide comprehensive & adequate data protection on the device.

Barcode and QR Code Scanning*

PNC560 can quickly read barcodes or QR codes to obtain the information at the daytime or nighttime. It greatly helps boost the productivity of warehouse staff, ticket officers, and more.

3 High-resolution Cameras

Triple cameras featuring video stabilization solution, low-light photography, and high dynamic range technology, easy to capture stable videos and sharp pictures on the move, day or night, near or far.

6.3-inch FHD+ Full-screen

The PNC560 features a massive 6.3-inch full HD screen with a dewdrop notch. This screen is sunlight readable and works with gloves and wet fingers, ideal for use on construction, manufacturing, and industrial sites.

Specifications

Network	
Frequency Band	5G: N1/N2/N3/N5/N20/N28/N41/N66/N71/N78 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B26/B28 LTE-TDD: B38/B39/B40/B41/B42/B43/B48 WCDMA: B1/B2/B4/B5/B8 GSM: 850/900/1800/1900

General	
Operating System	Android 12
Memory	6 GB RAM + 128 GB ROM
Dimensions(H x Wx D)	166.6×77.1×13 mm
Weight	270g
Screen	6.3 inches (2340×1080)
SIM Slots	2×Nano-SIM
Location	GPS/ BDS/ GLONASS/ GALILEO/ A-GPS
WLAN	2.4&5 GHz 802.11a/b/g/n/ac
Interface	USB Type-C port 3.5 mm audio jack
Charging Mode	USB Type-C port
Speaker	Standard version: dual 3W speakers(6W Peak Output) Scan version: 3W single speaker
Battery	5,040 mAh
Camera	Front: 8 MP, Rear: 48 MP and 8 MP
Video Resolution	1080p@30fps
NFC	Available
Sensor	Fingerprint, acceleration, gyroscope, geomagnetic, infrared sensor, opto-sensor
Scanner(optional)	2D/1D code

Environment	
Operating Temperature	-20°C to +60°C
Storage Temperature	-30°C to +70°C
Electro-Static Discharge	IEC61000-4-2 ±12 kV (Air) ±8 kV (Contact)
Ingress Protection	IP68
Drop-proof	1.5m

Certification	
Certification	CE / FCC / IC

*Only the scanning version supports this function.

Accessories

Standard ▭ Optional ⬚


Li-ion Polymer Battery


Data Cable


Tempered Glass


Power Adapter


Charger


Wireless Remote Speaker Microphone


Wired Earpiece


Wireless Ring PTT


Wireless Earpiece





Dual-mode Rugged Radio

PDC580

Unleash the power of LTE and DMR

The PDC5 Series dual-mode rugged radio is a push-to-talk over cellular (PoC) radio, a DMR radio, a call recorder, and a voice gateway — all in one. It delivers instant, secure, and stable communications, empowering the professionals working in railway, security or electricity to keep safe and efficient, any where and any time.

Optimized by the know-how from Hytera RF&Antenna Lab, Audio Lab, Energy-efficient Lab, and UX Lab, the PDC5 Series is packed with various innovative features for your daily tasks— leading-edge connectivity across narrowband (DMR) and broadband (LTE), exceptional audio performance, effortless PoC-DMR Simul-Call, expanded interoperability, and long duration call recording, etc. All of these will exceed your expectations for communication and convenience.

Application Scenarios

Public Safety

Emergency Response

Transportation

Communicate without limits

Engineered to run on ultra-fast LTE networks, the PDC5 Series keeps you connected anywhere. Even when the LTE network is down during an emergency, the PDC5 Series still has your back. With DMR Tier 2 technology, it provides stable direct communications over a long distance, thanks to high transmitting power (5 W) and receiving sensitivity (0.16 μV).

Tackle the tough outdoor conditions

The PDC5 Series is a truly rugged radio. It meets IP67, MIL-STD-810H, and ESD IEC level-4 standards, surviving almost any challenges from water, dust, and 1.5-meter drops to extreme temperatures. Even when the ambient temperature is down to -30°C, the PDC5 Series still performs well.

PoC- DMR voice gateway

Serving as a gateway, the PDC5 Series bridges PoC and DMR networks to ensure seamless communications across different radios which include PoC, DMR and analog.

Lasting over an entire shift

Built on high energy density technology, the PDC5 Series has a large-capacity battery of 3,000 mAh (operating voltage: 7.7 V) in a compact size. It offers extended operational hours to cover your entire shift. A 30-minute charge will give you up to 8 hours of use, thanks to the USB Type-C fast charging technology.

Louder and clearer

The PDC5 Series delivers unprecedented loudness up to 100dB, relying on its powerful speaker and audio enhancement technology. Together with the advanced noise cancellation algorithm, wind noise reduction and water porting design, this radio always ensures that every call is crystal clear, even in crowded and noisy areas.

Record every important call

The PDC5 Series allows you to record voice calls for up to 500 hours, and easily play back the latest recording with one touch. Thanks to the non-removable built-in chip, all recordings are prevented from removal and tampering, ensuring data integrity and security.

Time-saving PoC&DMR Simul-Call

The PoC&DMR Simul-Call allows you to initiate the PoC call and the DMR call simultaneously with one press of the primary PTT key, saving your time and effort.

Various designs for easy usage

With the Hytera PoC platform* integrated, the PDC5 Series is ready to talk once you insert a SIM card. The 1.8-inch transflective LCD is highly readable even in direct sunlight or in standby mode when the backlight is off. The UI features two vertical parts to show you PoC and DMR information simultaneously. Plus, the PDC5 Series has two PTT buttons — the main PTT is for PoC calls, and the other one is for DMR.

Specifications

Wireless Data Communication	
DMR/Analog	UHF1: 400–470 MHz
Broadband	FDD-LTE: B1/B3/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 GSM 900/1800 MHz
BT (Optional)	V5.3
Positioning	GPS, BDS, Galileo, Glonass TTFF (cold start) < 50s (CEP for 95%, –130 dBm) Horizontal accuracy < 1 m (CEP for 90%, –130 dBm, GPS + BDS > 16 satellites)
General	
Dimensions (H x W x D)	128 mm x 55 mm x 37 mm
Weight	345 g
Port	USB Type-C port 13-pin accessory connector
Display	1.8-inch LCD, 160 x 128 pixels
Card Slot	1 x Nano SIM card
Battery	3,000 mAh Li-Ion battery
Operating Voltage	7.7 V (rated)
Transmitter/Receiver	
Channel Spacing	12.5/20/25 kHz
TX Power	1 W/5 W
RX Sensitivity	Analog: 0.16μV/-123dBm (12dB SINAD) Digital: 0.16μV/-123dBm @BER5% (typical)
Audio Output Power	1.5 W (rated)
Digital Vocoder	AMBE+2™
Environment	
Operating Temperature	−30°C ~ +60°C
Storage Temperature	-40°C ~ +85°C
Water and Dust Protection	IP67
ESD	IEC 61000-4-2 (level 4), ±8 kV (contact), ±15 kV (air)
Humidity	Per MIL-STD 810 H, ≤ +65°C, 95%RH
Shock and Vibration	MIL-STD-810 H

Accessories

Standard ▭ Optional ▭


3,000 mAh Li-Ion Battery


Charger (1 A)


Power Adapter


Belt Clip


Nylon Strap


Antenna


Wireless PTT


BT Earpiece


Wireless Remote Speaker Microphone


C-Earset


Programming Cable


Multi-Unit Charger (for Li-Ion Batteries) (2A)





Dual-mode Rugged Radio

PTC680

All in one All in control Mission critical focused

Hytera PTC680 dual-mode rugged radio combines a mission-critical TETRA radio with an Android-based smartphone in a single device. It harnesses the power of narrowband and broadband technologies to provide mission-critical voice call, photo and video taking, positioning, and more. This innovative radio can communicate with narrowband radios over broadband network such as 2G, 3G, LTE, and WLAN.

As a professional rugged radio, the PTC680 is engineered for effortless usability. The ergonomic design on smart knob and keys and the modular design on UIs make it easy for you to accomplish tasks with one hand.

Application Scenarios

Public Safety

Emergency Response

Transportation

All-In-One Device

With highly integrated and modular design, the PTC680 combines a TETRA radio and a smartphone into a single device. So you do not need to carry two separate handsets for accessing voice, data, video, and more.

Broadband-Narrowband Convergence

With the Hytera HyTalk MC solution adopted, the PTC680 can communicate with narrowband radios over broadband network extending the coverage to where the narrowband network is not available.

Live Streaming

Thanks to the dual HD cameras, the PTC680 allows you to capture on-site pictures and videos, and then send them to another radio or command center in real time to dramatically improve situational awareness. The PTC680 also supports the external camera.

Purpose-Built App

The PTC680 supports apps developed by Hytera such as Navigator and other third-party apps. This helps you communicate and respond efficiently.

TETRA-MCS Voice Gateway

Serving as a gateway, the PTC680 Series bridges MCS and TETRA networks to ensure seamless communications across different radios which include MCS, TETRA and analog.

TETRA-MCS Simulcall

The PTC680 features TETRA-MCS Simulcall, so it can call both MCS devices and TETRA radios simultaneously. This helps commanders save time and efforts to initiate the MCS and the TETRA calls at the same time with the press of the PTT key.

Loud and Clear Audio

Using the enlarged front chamber technology and professional acoustic design, the PTC680 can output sound at up to 128 dB. To ensure crystal and clear audio in noisy environments, the PTC680 adopts AI-based noise cancellation, echo cancellation, and wind noise reduction technologies.

Rugged and Durable

Rated at IP68 and ESD IEC Level 4, the PTC680 withstands water, dust, and electrostatic discharge. It can also withstand 1.5-meter drop from all angles. The industrial-grade touchscreen stands up to continuous use in any weather. All these help the PTC680 perform well in harsh environments.

Specifications

Wireless Data Communication	
TETRA	350-475MHz(PTC680); 806-870MHz(PDC690)
Broadband	FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B20/B26/B28 TDD-LTE: B34/B38/B39/B40/B41 CDMA 1xRTT BC0 CDMA2000 1xEV-DO BC0 WCDMA B1/B2/B4/B5/B8 GSM 850/900/1800/1900MHz
WLAN	802.11 a/b/g/n/ac, 2.4GHz/5GHz
NFC (Optional)	13.56MHz
Positioning	GPS/BDS/GLONASS/Galileo/QZSS/A-GPS
General Specifications	
Dimensions (H x W x D)	140mm x 60mm x 29.1mm
Weight (with antenna & battery)	325g±5g
Operating System	Android 10.0
Screen	Top Screen: 0.92" Color: black & white Main Screen: 3.6" 1280x720, Touch Screen
Camera	Front Camera: 8MP, Fixed Focus Rear Camera: 13MP, Auto Focus
Card Slots	2x Nano SIM card; 1x Micro SD card; 1x Encryption card for Narrowband
Operating Voltage	7.7V (Rated)
Battery	Standard: 2400 mAh; Optional: 4000 mAh
Google Certification	Google Mobile Services
Transceiver	
Channel Spacing	25kHz
TX Power	3W(Class 3); 1.8W(Class 3L); 1W(Class 4)
Environment	
Dust and Water Proofing	IEC60529- IP68 (2m, 4h); IEC60529- IP66
ESD	IEC 61000-4-2 (Level 4), ±8 kV (Contact), ±15 kV (Air)

Accessories

Standard

2,400mAh Li-Poly Battery, Charger (2A), Power Adapter, Belt Clip, Antenna, Strap

Optional


Wireless Earpiece


Receive-only Swivel Earset


Wireless Remote Speaker Microphone


PTT&MIC Controller


4,000mAh Li-Poly Battery


Multi-Unit Charger


Nylon Carry Case


Charger (1 A)



Wireless Earpiece



Dual-mode Rugged Radio

PDC680/PDC690

All in one All in control Mission critical focused

Hytera PDC680/PDC690 dual-mode rugged radio combines a mission-critical digital radio with an Android-based smartphone in a single device. It harnesses the power of narrowband and broadband technologies to provide mission-critical voice call, photo and video taking, positioning, and more. This innovative radio enables seamless communications between narrowband network and public network such as 2G, 3G, LTE, and WLAN.

As a professional rugged radio, the PDC680/PDC690 is engineered for effortless usability. The ergonomic design on smart knob and keys and the modular design on UIs make it easy for you to accomplish tasks with one hand.

Application Scenarios

Public Safety

Emergency Response

Transportation

All-In-One Device

With highly integrated and modular design, the PDC680 combines a DMR radio and a smartphone into a single device. So you do not need to carry two separate handsets for accessing voice, data, video, and more.

Automatic Switch

The PDC680 can automatically switch between DMR network and LTE network. Registering with both networks using the same ID, the PDC680 can always select the optimal one to deliver smooth and reliable voice communications everywhere, indoors or out.

Live Streaming

Thanks to the dual HD cameras, the PDC680 allows you to capture on-site pictures and videos, and then send them to another radio or command center in real time to dramatically improve situational awareness. The PDC680 also supports the external camera.

Purpose-Built App

With the Android system, the PDC680 can support system-level apps developed by Hytera and other third-party apps. This helps you communicate and respond efficiently.

DMR-PoC Simulcall

The PDC680 features DMR-PoC Simulcall, so it can call both PoC devices and DMR radios simultaneously.This helps commanders save time and efforts to initiate the PoC and the DMR calls at the same time with the press of the PTT key.

Local Recording & Playback

The PDC680 allows you to record voice calls locally , and easily play back the latest recording with one touch. Thanks to the non-removable built-in chip, all recordings are prevented from removal and tampering, ensuring data integrity and security.

Loud and Clear Audio

Using the enlarged front chamber technology and professional acoustic design, the PDC680 can output sound at up to 128 dB. To ensure crystal and clear audio in noisy environments, the PDC680 adopts AI-based noise cancellation, echo cancellation, and wind noise reduction technologies.

Rugged and Durable

Rated at IP68 and ESD IEC Level 4, the PDC680 withstands water, dust, and electrostatic discharge. It can also withstand 1.5-meter drop from all angles. The industrial-grade touchscreen stands up to continuous use in any weather. All these help the PDC680 perform well in harsh environments.

Specifications

Wireless Data Communication	
DMR/Analog	340-470MHz; 136-174MHz
Broadband	FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B20/B26/B28 TDD-LTE: B34/B38/B39/B40/B41 CDMA 1xRTT BC0 CDMA2000 1xEV-DO BC0 WCDMA B1/B2/B4/B5/B8 GSM 850/900/1800/1900MHz
WLAN	802.11 a/b/g/n/ac, 2.4GHz/5GHz
NFC (Optional)	13.56MHz
Positioning	GPS/BDS/GLONASS/Galileo/QZSS/A-GPS
General Specifications	
Dimensions (H x W x D)	140mm x 60mm x 29.1mm
Weight (with antenna & battery)	325g±5g
Ports	Accessory port: 13pin; Charging port: Type-C (PDC690 only)
Operating System	Android 10.0
Screen	Top Screen: 0.92" Color: black & white Main Screen: 800x480, Touch Screen
Camera	Front Camera: 8MP, Fixed Focus Rear Camera: 13MP, Auto Focus
Card Slots	2x Nano SIM card; 1x Micro SD card; 1x Encryption card for Narrowband
Operating Voltage	7.7V (Rated)
Battery	Standard: 2400 mAh; Optional: 4000 mAh
Google Certification	Google Mobile Services
Transceiver	
Channel Spacing	12.5kHz/20kHz/25kHz
TX Power	UHF: 1W/4W; VHF: 1W/5W
Digital Vocoder Type	AMBE+2™
Environment	
Dust and Water Proofing	IEC60529- IP68 (2m, 4h); IEC60529- IP66
ESD	IEC 61000-4-2 (Level 4), ±8 kV (Contact), ±15 kV (Air)

Accessories

Standard

2,400mAh Li-Poly Battery, Charger (2A), Power Adapter, Belt Clip, Antenna, Strap

Optional



Wireless Earpiece



Receive-only Swivel Earset



Wireless Remote Speaker Microphone



PTT&MIC Controller



4,000mAh Li-Poly Battery



Multi-Unit Charger



Nylon Carry Case



Charger (1A)



Rugged MCS Radio

PDM680

Ready for Mission Critical Services

Hytera PDM680 Rugged MCS Radio is designed to help first responders stay connected and informed anywhere and anytime in critical situations. As a professional rugged radio, the PDM680 delivers reliable mission-critical voice communications, and mission-critical video and data services for those working in the most challenging conditions. In addition to the "on-network" operation, the PDM680 supports Digital Mobile Radio (DMR) Tier 2 and device-to-device (D2D) communications that allow the first responders to communicate without relying on the LTE network. The PDM680 is the best choice for those engaged in public safety, utilities, transportation, and more.



Application Scenarios

Public Safety | Emergency Response | Transportation | Utility

HyTalk MC App

PDM680 is built upon a solid platform that supports 3GPP Release 12 and many core MCS services above. With the native HyTalk MC application, PDM680 is able to deliver MCPTT, MC Video and MC Data services that leverage the broadband technology to improve situational awareness and safety, as well as maximize law enforcement efficiency.

D2D Communication

Built with DMR Tier 2 technology, the PDM680 can provide device to-device (D2D) comminutions in DMO mode or repeater mode especially when the LTE network is down or not available in emergency situations such as the earthquake, tsunami, hurricane, fire disaster, or other natural disasters. With 1 W or 4 W transmission power, the radio ensures stable PTT services over a longer distance compared with other off-the-shelf MCS radios or PoC terminals.

DMR-MCS Simulcall

The PDM680 features MCS-DMR Simulcall, so it can call both MCS devices and DMR radios simultaneously. This helps commanders save time and efforts to initiate the MCS and the DMR calls at the same time with the press of the PTT key.

Specifications

Wireless Data Communication	
DMR	340-470MHz
Broadband	FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B20/B26/B28 TDD-LTE: B34/B38/B39/B40/B41 CDMA 1xRTT BC0 CDMA2000 1xEV-DO BC0 WCDMA B1/B2/B4/B5/B8 GSM 850/900/1800/1900MHz
WLAN	802.11 a/b/g/n/ac, 2.4GHz/5GHz
NFC (Optional)	13.56MHz
Positioning	GPS/BDS/GLONASS/Galileo/QZSS/A-GPS/NLP
General Specifications	
Dimensions (H x W x D)	145.7 mm x 60 mm x 29.1 mm
Weight (with antenna & battery)	328g±5g
Operating System	Android 10.0
Screen	Top Screen: 0.92" Color: black & white Main Screen: 3.6" 800x480, Touch Screen
Camera	Front Camera: 8MP, Fixed Focus Rear Camera: 16MP, Auto Focus
Card Slots	2x Nano SIM card; 1x Micro SD card; 1x Encryption card for Narrowband
Operating Voltage	7.7V (Rated)
Battery	Standard: 2400 mAh; Optional: 4000 mAh
Google Certification	Google Mobile Services
Ports	USB Type-C port, USB2.0 13PIN Accessory/Charging Port
Transceiver	
Channel Spacing	12.5kHz
TX Power	1 W/4 W
Environment	
Dust and Water Proofing	IEC60529- IP68
ESD	IIEC 61000-4-2 (Level 4), ±8 kV (Contact), ±15 kV (Air)

Outstanding Audio Quality

With the 36 mm built-in speaker, the PDM680 can deliver an audio with a maximum SPL of 118 dB. Even at 30 cm away from the source, the loudness level is as high as 98 dBPhon. Both the enlarged front chamber technology and professional acoustic design make the audio more penetrating and powerful. Moreover, AI-based noise cancellation, echo cancellation, and wind noise cancellation technologies help the PDM680 minimize the background noise and boost the audio clarity. Therefore, on a crowded street, the PDM680 makes you hear each word clearly to get job done right.

Rugged and Durable

The PDM680 is a truly rugged radio. It meets IP68, MIL-STD-810H, and IEC ESD level-4, surviving almost any challenges from water, dust, dirt, 1.5-meter drops, strong shocks and vibrations to extreme temperatures and humidity. The industrial touchscreen can be easily used with wet fingers or gloves.

Security

Adopting multiple defensive mechanisms, the PDM680 safeguards your mission-critical system, device, data and voice. Signature authentication ensures the system security. All data at rest is full-disk encrypted, while the data and voice in transit are protected by E2EE. The industry-leading remote management makes the radio in your complete control, from real-time monitoring to data erasing and more.

Accessories

Standard

2,400mAh Li-Poly Battery, Charger (1A), Power Adapter, Belt Clip, Antenna, Strap

Optional


Wireless Earpiece


Receive-only Swivel Earset


Wireless Remote Speaker Microphone


PTT&MIC Controller


4,000mAh Li-Poly Battery


Multi-Unit Charger


Nylon Carry Case


Charger (2 A)



PoC Radio

P60

All new All round

Hytera P60 Smart PoC Radio combines voice, data and video capabilities. It integrates PoC and MCX communications with an Android 12 system and a 3.5-inch touchscreen — enabling boundary-free voice and video calls, effortless slide-to-record, and more — all in one radio. Ideal for public safety, power inspection, transportation, and VIP security operations.



Application Scenarios

Security

Municipal Service

Logistics

Transportation

Work Recording

The P60 features a dedicated slide-to-record key for instant video activation. Recordings are saved locally or uploaded via the integrated app to the Hytera DEM (Digital Evidence Management Platform) for centralized control. With pre- and post-event recording, it captures more comprehensive footage, ensuring no critical detail is missed.

Superior Audio Quality

The P60 delivers crystal-clear audio with 3W power output and up to 105dB@30cm. With AI noise suppression and wind noise reduction, it filters out ambient sounds for clear communication even on the move. Experience reliable communication that enhances productivity and safety in every situation.

HD Touchscreen

The P60 smart PoC radio features a 3.5-inch touchscreen that supports glove and wet hand operation, while remaining clearly visible in direct sunlight. With 267 ppi resolution, it significantly enhances text clarity, ensuring a user-friendly experience.

Power for Longer Shifts

No matter where your job takes you, you can rely on the P60 to meet your power needs. Equipped with a built-in 11nm process chip and a 4,000 mAh battery, it provides 24 hours of work time (10-10-80).

Rotate. Hear. Well done

The professional knob is a new step for quickly switching groups or volume adjustment, even with your eyes up, allowing you to stay focused on your tasks.

MCX Access

The P60 supports MCX capabilities, including QCI 65, 66, 67, 69, and 70, providing security teams with critical communications.

Specifications

Frequency Band	
Broadband network	GSM: 850/900/1800/1900 WCDMA: B1/B2/B3/B4/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B26/B28A&B
General	
Operating system	Android 12
Memory	4GB+64GB
Dimension	134 mm x 61 mm x 23.5 mm
Weight	240 g(without belt clip)
Touchscreen	Resolution: 480 x 800; Size: 3.5 inches Available for glove or wet-hand operations
Camera	8MP Front+50MP Rear
Video resolution	1080P@60fps
Flashlight	1
Battery	4,000 mAh
Charging port	USB Type-C
Card slot	Hybrid slot: Nano-SIM*2 or SIM*1+SD*1 eSIM*1 (disables Nano-SIM card slot 1 when active) Micro SD Card extension up to 256GB
Speaker	2W(Rated), 3 W (Max)
Microphone	2
Noise cancellation ability	40dB depth (static scene), 90km/h(dynamic scene)
WLAN	2.4 G/5 G, 802.11 a/b/g/n/ac
Sensor	Gravity accelerometer, Gyroscope, Magnetometer, Proximity sensor, Ambient light sensor
Positioning	GPS, BDS, GLONASS, Galileo, A-GPS
NFC	Available
Interfaces	USB Type-C port, 9-pin audio connector
LED	1 (Red + Green + Orange)
Environment	
Operating temperature	-20°C~+60°C
Storage temperature	-30°C~+70°C
Environmental compliance	RoHS/REACH
Electrostatic discharge (ESD)	IEC 61000-4-2: (ESD)± 12 kV (Air); ±8 kV(Contact)
IP rating	IP68
Drop resistance	1.5m
Certification	SRRC/CCC/CTA

Accessories

Standard ▭ Optional ▭



Li-ion Polymer Battery



USB Type-C Data Cable



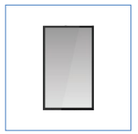
Power Adapter



Belt Clip



Nylon Strap



Tempered Glass Film



SIM Eject Tool



Wireless PTT



Wired Remote Speaker Microphone



Wireless Remote Speaker Microphone



Desktop Charger



Multi-Unit Charger (Coming soon)



D-Earset



Earpiece with Transparent Tube





PoC Radio

P50

Where Reliability Meets Simplicity

The Hytera P50 is a powerful PoC radio that leverages push-to-talk (PTT) over cellular networks, providing nationwide coverage and enhanced communication efficiency. By combining exceptional PTT performance with advanced data capabilities, it empowers professionals in security, logistics, transportation, and urban management to communicate effectively and collaborate seamlessly.

Application Scenarios

Security | Municipal Service | Logistics | Construction | Industrial Manufacturing | Transportation

Always Connected

Stay connected with the P50, even in areas with weak signals. Its professional dual antenna design delivers excellent signal performance, ensuring seamless communication, for instance in B5 band with a TRP of 18.5 dBm and a TIS of -93.5 dBm.

Ruggedized Connector & Port

Feature a 9-pin audio connector with a screw-in design to securely attach the earpiece to the radio. The waterproof Type-C charging port, crafted from high-strength alloy, ensures durability for long-term use.

Radio Clone

With Radio Clone*, the P50 allows for quick configuration cloning from one radio to multiple radios via WiFi.

*Optional

Superior Audio Quality

Equipped with a 3W built-in speaker and professional cavity design, it delivers a loudness of up to 103 dB at 30 cm. Advanced noise cancellation filters out surrounding sounds for clear communication, ensuring messages are transmitted without interruption.

Power for Longer Shifts

Equipped with a low-power, high-performance chip and a 4,000 mAh battery, the P50 offers up to 30 hours of operation (operating on a 10-10-80 duty cycle).

Professional Knob

The group switch knob enables quick group switching. Paired with Voice Notification*, the P50 informs you of the group you've switched to helping you stay focused on your tasks.

*Coming soon

Specifications

Model	P50
Operating System	Android 12
Memory	RAM (1 GB), ROM (8 GB)
Dimensions (H x W x D)	131 mm x 61 mm x 23.5 mm
Weight (without belt clip)	210 g
Frequency Range	**EU Vision** GSM: 850/900/1800/1900 WCDMA: B1/B3/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B7/B8/B18/B19/B20/B26/B28 **US Vision** GSM: 850/900/1800/1900 WCDMA: B2/B4/B5 LTE TDD: B38/B41 LTE-FDD: B2/B3/B4/B5/B7/B12/B13/B17/B26/B28
Screen	2.4-inch color LCD screen, 320 x 240 pixels
Location	GPS/BDS/GLONASS/Galileo
WLAN	WLAN 5 802.11 (2.4G/5G) ac/a/b/g/n
Speaker Power	2 W (rated), 3 W (max.)
Battery	4,000 mAh
Interface	9-pin audio connector, USB Type-C
Card Slot	Nano SIM card slot x 1, TF card slot x 1
Operating Temperature	–20°C to + 60°C
Storage Temperature	–30°C to + 70°C
ESD	IEC 61000-4-2, (ESD) ±12 kV (Air), ±8 kV (Contact)
IP Rating	IP68
Drop Resistance	1.5 m
Certificate	CE
Lone Worker	Support

Accessories

Standard ▭ Optional ⬚


Battery


Date cable


Adapter


Belt Clip


Wired Earpiece


Remote Speaker Microphone


Wireless Remote Speaker Microphone


Charger


Multi-unit Charger


Wireless Earpiece



PoC Radio

P50 Pro

Where Reliability Meets Simplicity

The Hytera P50 Pro is a powerful PoC radio that leverages push-to-talk (PTT) over cellular networks, providing nationwide coverage and enhanced communication efficiency. By combining exceptional PTT performance with advanced data capabilities, it empowers professionals in security, logistics, transportation, and urban management to communicate effectively and collaborate seamlessly.



Application Scenarios

Security | Municipal Service | Logistics | Construction | Industrial Manufacturing | Transportation

Always Connected

Stay connected with the P50 Pro, even in areas with weak signals. Its professional dual antenna design delivers excellent signal performance, ensuring seamless communication, for instance in B5 band with a TRP of 18.5 dBm and a TIS of -93.5 dBm.

Ruggedized Connector & Port

Feature a 9-pin audio connector with a screw-in design to securely attach the earpiece to the radio. The waterproof Type-C charging port, crafted from high-strength alloy, ensures durability for long-term use.

Interact with Info Intuitively

The large 2.4-inch color screen features a full-view display* with an intuitive UI, allowing for flexible shoulder and waist wearing. This design enables quick access to key information at a glance.

Radio Clone

With Radio Clone*, the P50 Pro allows for quick configuration cloning from one radio to multiple radios via WiFi.

* Optional

Superior Audio Quality

Equipped with a 3W built-in speaker and professional cavity design, it delivers a loudness of up to 103 dB at 30 cm. Advanced noise cancellation filters out surrounding sounds for clear communication, ensuring messages are transmitted without interruption.

Power for Longer Shifts

Equipped with a low-power, high-performance chip and a 4,000 mAh battery, the P50 Pro offers up to 36 hours of operation (operating on a 10-10-80 duty cycle).

Professional Knob

The group switch knob enables quick group switching. Paired with Voice Notification*, the P50 Pro informs you of the group you've switched to helping you stay focused on your tasks.

*Coming soon

Specifications

Model	P50 Pro
Operating System	Android 12
Memory	RAM (2 GB), ROM (32 GB)
Dimensions (H x W x D)	131 mm x 61 mm x 23.5 mm
Weight (without belt clip)	210 g
Frequency Range	**EU Vision** GSM: 850/900/1800/1900 WCDMA: B1/B3/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B7/B8/B18/B19/B20 /B26/B28 **US Vision** GSM: 850/900/1800/1900 WCDMA: B2/B4/B5 LTE TDD: B38/B41 LTE-FDD: B2/B3/B4/B5/B7/B12/B13/B17/B26/B28
Screen	2.4-inch color LCD screen, 320 x 240 pixels
Location	GPS/BDS/GLONASS/Galileo
WLAN	WLAN 5 802.11 (2.4G/5G) ac/a/b/g/n
NFC	Available
Camera	8 MP, 1080p@30fps
Sensor	Optical distance sensor, Gravity sensor
Speaker Power	2 W (rated), 3 W (max.)
Battery	4,000 mAh
Interface	9-pin audio connector, USB Type-C
Card Slot	Nano SIM card slot x 1, TF card slot x 1
Operating Temperature	–20°C to + 60°C
Storage Temperature	–30°C to + 70°C
ESD	IEC 61000-4-2, (ESD) ±12 kV (Air), ±8 kV (Contact)
IP Rating	IP68
Drop Resistance	1.5 m
Certificate	CE
Man Down	Support
Lone Worker	Support

Accessories

Standard ☐ Optional ☐


Battery


Date cable


Adapter


Belt Clip


Wired Earpiece


Remote Speaker Microphone


Wireless Remote Speaker Microphone


Charger


Multi-unit Charger


Wireless Earpiece



PoC Radio

P30

Connect faster Collaborate better.



Hytera P30 is a push-to-talk over cellular (PoC) radio providing instant voice communications over the 2G, 3G or LTE network for those engaging in security, property management, utilities, logistics, and more.

The radio promotes efficient collaboration in daily works from low latency to always-stable signal, from multiple standby groups to quick group creation. Plus, the radio focuses on user experience in terms of professional design and all-day battery.

Application Scenarios

Security | Property management | Logistics | Supermarkets | Industrial parks | Hotels

Ultimate UX

Give you ultimate experience from the 22 mm thinness to 170 g weight, from texture to housing, and even to keys.

Minimized Latency

Let you be confident to speak at the moment of pressing the PTT key. No lag time between your finger and mouth, thanks to the real-time operating system (RTOS).

Invite Code

Create or join a team in 5s with an invite code — making meeting faster and easier than ever before.

3,300 mAh Battery

Offer 12 hours of continuous talk time, and 72 hours of standby time. So you can do more, and recharge less.

High RX/TX Capability

Ensure you to stay connected anywhere even in elevators, high-rise buildings or underground, benefitting from the external antenna and Hytera PoC weak field technology.

Unparalleled Audio

Deliver truly superior audio experience — crystal clarity, exceptional loudness, and unrivaled intelligibility on each call.

- 3-watt power
- 36 mm speaker
- Loudness up to 105 dB@10 cm
- High fidelity technology

Multiple Standby Groups

Always keep important information updated from one group to another, improving communication efficiency and collaboration.

1.77-inch Color Screen

Let you check on call status, new message, battery level, or even time, at a glance.

Specifications

Frequency Range	Europe, Asia and Africa GSM: 850/900/1800/1900 WCDMA: B1/B5/B8 LTE TDD: B34/B38/B39/B40/B41 LTE-FDD: B1/B3/B5/B7/B8/B20/B26/B28 Americas: GSM: 850/900/1800/1900 WCDMA: B2/B4/B5 LTE TDD: B38/B41/B40 LTE-FDD: B2/B3/B4/B5/B7/B12/B13/ B17/B26/B28
System	RTOS
Dimensions (H x W x D)	118 mm × 55 mm × 22 mm
Weight	170 g (without belt clip)
Screen	1.77 inches, 128 x 160
SIM Card Slot	Nano x 1
Location	Optional GPS+BDS, GPS+GLONASS, BDS
NFC	Optional
Interface	USB Type-C port 3.5 mm audio jack
Battery Capacity	3,300 mAh
Charging	USB Type-C port
Speaker	2 W (rated.); 3 W (max.)
Operating Temperature	-10°C to +55°C
Storage Temperature	-30°C to +70°C
ESD	±12 kV (air); ±8 kV (contact)
IP Rating	IP54
Drop Resistance	1.2 m

Accessories

Standard ☐ Optional ☐



Battery



Adapter



Belt Clip



Strap



Data Cable



Wired Earpiece





PoC Radio

PNC380

Instant Communication Unlimited Possibilities

Hytera PNC380 Push-to-Talk over Cellular (PoC) radio leverages the best radio and smartphone benefits to deliver instant PTT service and data-rich multimedia such as texts, images, and videos over 2G, 3G, 4G, or WLAN networks. It helps keep your mobile workforce connected anywhere and anytime.

The PNC380 provides reliable video streaming and fast precise positioning. It also features a long battery life, loud and clear audio, and ruggedness, making it the perfect companion for those involved in police, business and logistics.

Application Scenarios

Security | Property management | Logistics | Supermarkets | Industrial parks | Hotels

Data-Rich Multimedia Services

With the 5 MP rear camera, the PNC380 can capture video or pictures in the field and then transmit them to the command and dispatch center over the 4G network, greatly improving decision-making and work efficiency.

Nationwide Coverage

National workforce communication with mobile 4G/LTE connectivity supported by the Micro-SIM.

Rugged and Durable

Certificated with IP67 rating, the PNC380 is fully protected from dust and water. The PNC380 also withstands a sudden drop up to 1.2 meters. Besides, it can always provide reliable and smooth communications in the ambient temperature from -20°C to 60°C.

High-Quality Audio

High-volume speakers and digital noise suppression provide excellent voice quality in loud environments. Provides high-quality digital audio performance for individual calls, group calls, and emergency calls.

All-Day Battery

The 4,000 mAh high-capacity battery provides over 24 hours of talk and standby time on a 5-5-90 duty cycle. The removable battery enables the PNC380 to work for even longer hours.

Precise Positioning

With various combinations of GPS, BDS, and GLONASS and the advanced positioning algorithm adopted, the PNC380 provides fast positioning services over public or PMR network, indoor or outdoor. This helps you track your people and devices easily and facilitates efficient dispatch.

Specifications

Network	
Frequency Band	Asia,Europe,Middle East and Africa: GSM: 850/900/1800/1900 CDMA: BC0 TD-SCDMA: B34/B39 WCDMA: B1/B3/B5/B8 TDD-LTE: B38/B39/B40/B41 (2555~2655MHz) FDD-LTE: B1/B3/B5/B7/B8/B20/B26/B28 America: GSM:850/900/1800/1900 WCDMA:B2/B4/B5 LTE TDD:B38/ B41(2496~2690MHz) LTE-FDD:B2/B3/B4/B5/B7/B12/B13/ B17/B26/B28

General	
Operating System	Android 7.1
Memory	1GB RAM + 8GB ROM
Dimensions (H x W x D)	145*60*26.1mm
Weight	208 g
Screen	2.0 inches (320 x 240)
SIM Card	1 Nano-SIM
Positioning	GPS/BDS/GLONASS/A-GPS
WLAN	2.4 GHz&5 GHz, 802.11 b/g/n
NFC	Available (Optional)
Interface	Micro-USB 2.0, 3.5 mm
Battery Capacity	4,000 mAh
Charging Mode	Micro-USB 2.0
Speaker Power	2 W (max)
Camera	5 MP
Flash	Available
Video Resolution	720p@30fps

Environment	
Operating Temperature	-20°C to +60°C
Storage Temperature	-30°C to +70°C
ESD	IEC 61000-4-2,(ESD)± 12 kV (Air); ±8 kV (Contact)
Ingress Protection	IP67
Drop-proof	1.2m

Certification	
Certification	CE/FCC/IC

Accessories

Standard ▭ Optional ▭


Li-ion Polymer Battery


Date cable


Strap


Belt Clip


Power Adapter


Wired Earpiece


Wireless Earpiece


Wireless Ring PTT


Wireless Remote Speaker Microphone


Charger


Multi-Unit Charger





PoC Radio

PNC360S

The Power of Simplicity

Hytera PNC360S Push-to-Talk over Cellular (PoC) radio is an easy-to-use radio that simplifies the way you get your team connected. With the PTT key, you can communicate with your entire mobile workforce anywhere and anytime over the 2G, 3G, 4G, and WLAN networks. With a lightweight design, the PNC360S packs amazing features into a delightfully compact size, such as long-lasting battery, loud and clear audio, and ruggedness. This radio is the best choice for those engaged in police, property management, logistics, or more.

Application Scenarios

Security | Property management | Logistics | Supermarkets | Industrial parks | Hotels

Open Platform

Featuring the universal and open Android operating system as well as an open application program interface (API), the radio can be compatible with a variety of third-party and custom applications on the market.

Rugged And Durable

Rated at IP67, the radio is made tough to withstand water, dust, 1.2-meter drop, and extreme temperatures, ensuring reliable performance in even the harshest environments.

Smoother Communication

Thanks to its exterior antenna design, the radio's RX sensitivity has been enhanced by 2 dB. This results in seamless communication even in regions with weakened signals, such as suburban locations, indoor settings, or underground areas.

All-Day Battery

With a unique low-power design, the radio has a 4,000 mAh battery that meets 24-hour working time on a 5-5-90 duty cycle (5% transmission time, 5% reception, and 90% standby). Replacement design helps you replace the battery in a second.

Loud And Clear Audio

The built-in 3-watt speaker brings you loud audio. With patented distortion reduction technology, the radio can deliver clear and crisp audio even in a noisy downtown, gym, station, or more. In addition, patented howling noise suppression technology is adopted to prevent feedback howling noise from multiple radios that are close to each other during transmission or reception.

Precise Positioning

With various combinations of GPS, BDS, GLONASS and higher-precision positioning modules, the radio can be located faster and more precisely for efficient dispatch.

Specifications

Network	
Frequency Range	Europe/Asia/Africa: GSM: 850/900/1800/1900 CDMA: BC0 TD-SCDMA: B34/B39 WCDMA: B1/B3/B5/B8 TDD-LTE: B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B7/B8/B20/B26/B28 America: GSM: 850/900/1800/1900 WCDMA: B2/B4/B5 TDD-LTE: B38/B41(2496~2690MHZ) FDD-LTE: B2/B3/B4/B5/B7/B12/B13/B17/B26/B28
General	
Operating System	Android 7.0
Memory	1GB RAM+8GB ROM
Dimensions (H x W x D)	104*54.6*26.5mm
Weight	170 g
Screen Size	1.77 inches
Screen Resolution	160 x 128
SIM Card	1 Nano-SIM
Positioning	GPS/BDS/GLONASS/A-GPS
WLAN	2.4GHz, 802.11 b/g/n
External Interface	Type-C,3.5mm
Battery Capacity	4000mAh
Charging Mode	Type-C
Speaker Power	3W (max)
Environment	
Operating Temperature	-20°C to +60°C
Storage Temperature	-30°C to - +70°C
ESD	IEC 61000-4-2,(ESD)± 12 kV (Air); ±8 kV (Contact)
Ingress Protection	IP67
Drop-proof	1.2m
Certification	
Certification	CE\FCC\IC

Accessories

Standard | Optional


Li-ion Battery


Data Cable


Strap


Belt Clip


Power Adapter


Wired Earpiece





PoC Mobile Radio

MNC360

Move Anywhere. Connect Anytime

The MNC360 is a push-to-talk over cellular (PoC) mobile radio designed for in-vehicle communication. With Hytera's innovative design, it provides reliable, loud, clear voice service for a variety of field communication scenarios. The simple-to-use design makes it easy to install, remove, and operate. Versatile accessories are available to meet more requirements in different work environments. Working as a professional business-ready PTT mobile radio, MNC360 is the ideal group communication device for vertical markets.

Application Scenarios

Logistics | Transportation | Security | Mining | Ambulance

Smoother Communication

Compared with regular smartphones, the MNC360's two external LTE antennas improve RX sensitivity by 3dB, covering weak signal areas such as suburban or underground parking lots. The manual switch enables the MNC360 to always select the network with better signal strengths. Stable, seamless and high-quality communications are ensured everywhere.

Loud and Clear Audio

The built-in 4-watt speaker comes with distortion suppression, howling suppression and noise cancellation technology, which allows the MNC360 to transmit loud and clear audio even with the window rolled down on construction sites or busy streets.

Smart Design, Safe Driving

The MNC360 is a safety assistant providing an overspeed alarm and fatigue driving alarm to ensure a safe trip. Keys on the MNC360 are automatically locked during driving, helping the driver focus more on the road and less on the radio. Meanwhile, the external USB camera can be connected to the MNC360, working as a dash camera to record driving details.

Flexibility and Adaptability

Paring with wired or wireless accessories, the MNC360 gives users more freedom and flexibility for voice communications.
With the Android system and standard APIs, the MNC360 is open for third-party apps to create an in-vehicle ecosystem for data applications in the field. Moreover, the MNC360 is highly customizable to extend the capabilities to suit specific needs.

Specifications

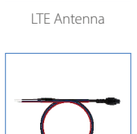
Network	
Frequency	FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B26/B28 TDD-LTE: B38/B39/B40/B41 (2496–2690 MHz) WCDMA: B1/B2/B3/B4/B5/B8 GSM: 850/900/1800/1900
General	
Operating System	Android 7.1
Memory	1 GB RAM + 8 GB ROM
Dimensions (H x W x D)	170 mm x 66 mm x 39.3 mm
Weight	300g
Display	2.0 inches (320 x 240)
SIM Card	2 x Micro-SIM
Positioning	GPS/BDS/Glonass/A-GPS
WLAN	2.4 GHz, 802.11 b/g/n
NFC	Optional
External Interfaces	Micro-USB 2.0 (OTG) 3.5 mm audio jack Two LTE antenna ports 2-pin external speaker port GPS antenna connector Power inlet 10-pin aviation por
Input Voltage	13.6±15%V DC
Speaker	⩽ 8 W
Environment	
Operating Temperature	-20°C to +60°C
Storage Temperature	-40°C to +85°C
ESD	IEC 61000-4-2, (ESD) ± 12 kV (Air), ± 8 kV (Contact)
Ingress Protection	IP54
Certification	
Certification	FCC/IC/CE

Accessories

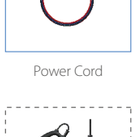
Standard ☐ Optional ⬚


Plam Microphone


Bracket


LTE Antenna


GPS Antenna


Power Cord



Wireless Remote Speaker Microphone


Wired Earpiece


Wireless Ring PTT


Wireless Earpiece





HyTalk PMR Gateway Solution

Bridge networks. Bring connectivity

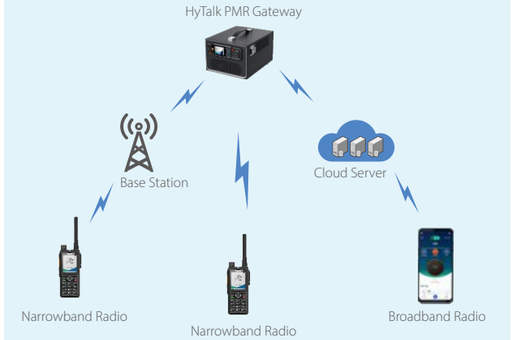
As broadband services increasingly flourish, some industries tend to buy broadband radios as a new communication way. However, these radios cannot be connected to the legacy narrowband radios. Replace all your legacy? It will be a big investment. Thus, we innovate HyTalk PMR Gateway to solve this problem for business, public safety, transportation, utilities, and more.
HyTalk PMR Gateway is a cost-effective narrowband-broadband interconnection solution, including the BN100 voice gateway box, MNC360 PoC mobile radio, and HM78X or HM65X digital mobile radio. It has the capability to seamlessly connect narrowband radios and broadband radios. Moreover, interworking with public network, it allows narrowband radios to communicate with each other anywhere.

Application Scenarios

Security | Industrial parks | Airports | Transportation

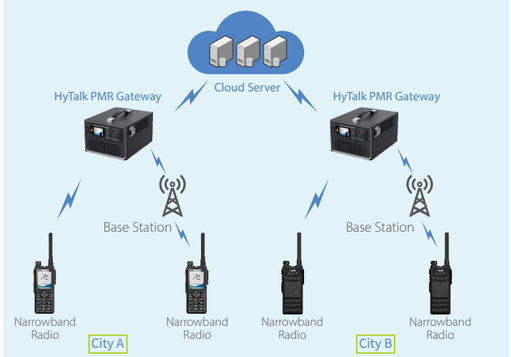
Enhanced Collaboration

This solution unleashes the collaborative potential of radio in the field, regardless of narrowband or broadband. This enables different user groups to communicate seamlessly with each other in a unified way for increased work efficiency.



Extended reach

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



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, which is designed for easy transport. A handle on the top of this box ensures a comfortable grip and fast carrying.

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.

Specifications

General	
Dimensions (D x W x H)	288*244*158mm
Weight	No mobile radio: 2.8 kg With two mobile radios: 7.2 kg
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
Environment	
Operating Temperature	-20℃ ~+60℃
Storage Temperature	-40℃ ~+85℃



PoC System

Hytera HyTalk®

Hytera HyTalk PoC System is a multimedia communication solution that operates on the public network and offers various types of communication services, including voice, video, and data. Leveraging 3G/LTE/Wi-Fi technology, users can effortlessly engage in one-to-one or one-to-many communication with a range of Hytera terminals, including PoC Radios, Dual-mode Rugged Radios, and Body Cameras. The system aims to establish a self-sustaining communication platform, enabling operators to drive revenue growth.

Application Scenarios

Hotels | Catering | Security | Logistics

Highlights

Microservice Architecture

Hytera HyTalk solution adopts advanced microservice architecture technology, which not only has powerful performance but also has the ability to load balance and support smooth upgrades and expansions.

Hierarchical User Model

Hytera HyTalk solution adopts a hierarchical user model in the SOP. Users at different levels are granted various operation permissions to simplify management and enhance work efficiency.

Smart Patrol

Hytera HyTalk is a unified platform integrating smart inspection, real-time communication, positioning, hazard reporting, and data analytics. It transforms patrol workflows into digitalized, visualized, and intelligent operations.

Security

Hytera HyTalk solution supports end-to-end encryption and lawful interception. Meanwhile, the radio can be uniquely bound with its SN and SIM card for higher security.

Flexible Package Templates

The SOP offers flexible package templates for different service combos to form packages that meet the needs of different users.

Powerful Audio and Video Capabilities

Hytera HyTalk can be used synchronously with the patrol system. With this patrol system, it can realize the patrol management, online push and real-time reporting of the patrol tasks, track playback, receiving, viewing, executing and counting of patrol tasks and reporting of hidden dangers, etc.

Features

Audio

- Half-duplex voice individual call
- Full-duplex voice individual call
- Voice group call
- Group call priority
- SOS emergency call

Video

- Half-duplex video individual call
- Full-duplex video individual call
- Video group call

Data

- One-to-one SMS*
- Group SMS

Management

- User operation
- Account creation and grouping
- Call duration control
- Account expiration reminder
- SN query

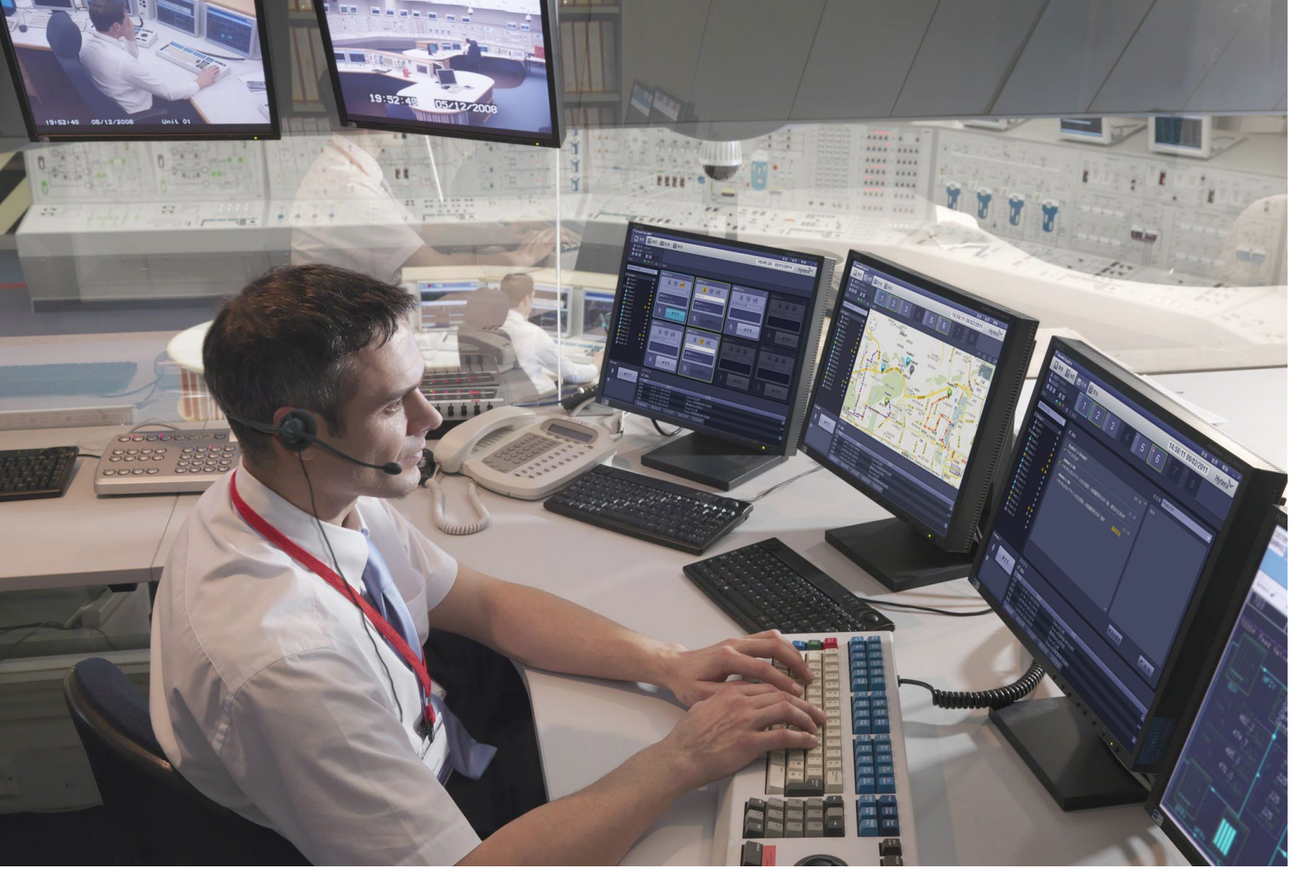
Dispatching

- Subscribe to GPS
- Call interrupt
- Ambience listening
- Video push/forward
- Video pull
- DGNA
- User status presence

Security

- Account binding SN and SIM
- Strong cipher

*SMS: short message service
*DGNA: dynamic group number assignment



PMR-LTE Convergence-native System

Hytera HyTalk®Pro

Hytera HyTalk Pro is a multimedia communication solution that combines nar rowband communication with a public net work infrastructure. It offers a wide range of ser vices including voice, video, and data, while also enabling seamless inter connection between Push-to-Talk over Cellular (PoC) and Digital Mobile Radio (DMR). Consequently, users can leverage their existing DMR trunk ing system while upgrading from voice-only to multimedia ser vices.

Application Scenarios

Public Safety | Fire Fighting | Airports | Security | Transportation

Highlights

Interconnection Communication

It supports PoC–DMR interconnection, combining broadband coverage with narrowband stability for clear and reliable communication. With a unified number across both networks, users can switch seamlessly for more efficient operations.

Dispatch Service

Real-time terminal locations are displayed on the map, with support for audio and video dispatch across multiple device types. Dispatchers can initiate group conference calls and manage speaking rights during communication.

Converged Access of Multiple Types of Radios

Support unified access and mixed grouping of PoC radios, Dual-mode Rugged Radios, Body Cameras, PMR Radios, etc. Dual-mode Rugged Radios support the same number to access broadband and narrowband networks, realizing multiple services such as voice, video, location, and multimedia data.

Enriching Video Service

It supports video services such as video call, video pull, and one-click video return, helping dispatchers to understand the situation on the spot in real-time and accurately make a decision.

Multimedia Message Service

It supports the sharing of multimedia messages such as images, videos, locations, and voice recordings for efficient information delivery. Group calls can be recorded and shared in real time, allowing replay to ensure no key information is missed.

Security and Reliability

The system supports security features such as hot standby, disaster recovery, load balancing, and end-to-end encryption (E2EE). The HyTalk Pro platform has also passed OWASP security penetration testing, ensuring secure and reliable communication services.

Features

Audio

- Half-duplex voice individual call
- Full-duplex voice individual call
- Voice group call
- Group call priority
- SOS emergency call

Video

- Half-duplex video individual call
- Full-duplex video individual call
- Video group call

Data

- Multimedia SMS*
- Status message
- Storage and Forwarding

Management

- User & Group management
- Audio & Video data management
- Network management

Covergence Communication

- Mixed private call
- Mixed group call
- Mixed short message
- ROIP

Security

- Disaster Recovery
- E2EE*
- OWASP Authentication

*SMS: short message service
*DGNA: dynamic group number assignment
*E2EE: end to end encryption



MCS System

Hytera HyTalk® MC

Hytera HyTalk MC MCS System, a 3GPP standard mission critical system, is designed to deliver reliable and secure communication services, including MCPTT, MCVideo, MCData, as well as unified visual dispatching and recording services, to all the vertical industries.

Application Scenarios

Public Safety | Railway | Energy | Airports | Port | Public Utilities

Highlights

Meet the 3GPP

Hytera HyTalk MC is fully compliant with the 3GPP mission-critical standards including MCPTT, MCData, and MCVideo. Native convergence across MCS and legacy PMRs leads the way to future mission-critical communications.

Microservice Architecture

The microservice architecture enables the independence between various services and achieves load balancing. Local cluster deployment ensures system load sharing and high availability.

Security

HyTalk MC complies with the 3GPP MCS security standards. it establishes end-to-end encrypted communication through the KMS key management system and encryption technologies like SAKKE, ECCSI, and AES to protect services such as voice and video, rigorously ensuring customer data security. By integrating identity security, application security, and data security, it forms a multi-layered, multi-dimensional security protection capability, creating a comprehensive, in-depth defense security system that covers "client", "network", "user" and "data".

Reliability

it supports virtualization deployment and cluster deployment to achieve load balancing; in disaster recovery scenarios, enables seamless service switching in the event of a single data center anomaly; a multi-layer architecture design provides hierarchical protection and fault isolation for the system, enhancing overall reliability.

Priority

It supports voice, video and data services with dedicated bearer, enabling access to resources in a timely manner. And it supports concurrent voice, concurrent video and data services, eMBMS and calls priority to ensure the mission critical services.

Compatibility

HyTalk MC has passed Plugtests, so that can be connected with 3rd-party trunking products for common networking. It provides customers with flexible options and achieves asset preservation.

Features

Management

- Client upgrade online
- System smooth upgrade
- Organizational structure
- Traffic statistics
- NMS* alarm
- topology & alarm management
- batch add subscriber & group
- Northbound interface & Southbound interface

Calling

- Half duplex private call
- Full duplex private call
- Voice individual call
- Voice group call
- Video individual call
- Video group call
- SOS emergency call
- Patch group
- Call waiting/hold/forwarding
- Broadcast call
- Late entry
- Floor Control

Data

- SMS*
- Multimedia message
- Location information
- Read receipt
- Store and Forward
- Emergency alert
- Location information sharing
- Location Subscription

Dispatching

- Broadcast call
- Ambience listening
- Video pull/push/forward
- User stun/kill/revive
- Voice/Video call recording
- Call interrupt/override
- Voice/Video conference
- Subscribe to GPS
- Ambient monitoring
- Map-based DGNA
- Group patch

Supplementary

- Service concurrency
- DGNA*
- Call forwarding
- Call Priority
- Black list
- Device bound with SIM card
- Interconnect with PSTN/PLMN
- Interconnect with TETRA and DMR
- Interworking between MCS and MCS
- Standard interface interworking with 3rd-party PMR system
- 3GPP lawful interception

*NMS: network management system
*SMS: short message service
*DGNA: dynamic group number assignment



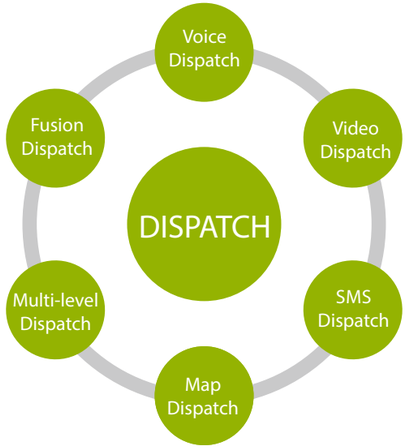
Multimedia Unified Communication Platform

MUC (Multimedia Unified Communication Platform) is an integrated command and dispatch platform that integrates voice service, video service, data service, etc. It provides a more complete dispatching solution for HyTalk, HyTalk Pro, HyTalk MC, and realizes the interconnection and unification of terminals of different standards, which meets the communication needs of users on demand.

Application Scenarios

Public Safety | Fire Fighting | Railway | Forestry

Highlights



Fusion Dispatch

The location of multiple types of terminals (PoC Radios, Dual-mode Rugged Radios, Body Camera, DMR Radios, etc.) are displayed on the map, and it realizes unified communication dispatch, including voice, video, and data for all devices.

Voice Dispatch

Integrate voice communication resources to achieve voice intercommunication, including DMR, TETRA, MPT, PoC, etc. It has powerful voice communication capabilities, including individual call, group call, emergency call, broadcast call, monitor, etc.

Video Dispatch

Integrate video communication resources, and realize video fusion scheduling, including PoC, CCTV, etc. It supports video individual call, group call, video pull, video push, video forwarding, video return and multimedia video conference.

MMS Dispatch

Support one-to-one or group sending messages which include pictures, voices, files, videos, etc.

Map Dispatch

Support various map types access to MUC, including OpenStreet Map, Google Map, etc. It can display terminals' online status and playback track on the map, and also support click and circle to call on the map.

Multi-level Dispatch

Support multi-level dispatching to realize resource sharing and collaborative operations.

Features

Voice Dispatch

- Half-duplex voice individual call
- Full-duplex voice individual call
- Voice group call
- SOS emergency call
- Call Priority
- Ambiance listening
- DGNA*
- Broadcast call
- Multimedia SMS*

Video Dispatch

- Video individual call
- Video group call
- Video pull/push/forward
- Video conference

Map Dispatch

- Subscribe to GPS
- User location track
- Track playback
- Polygon group on map
- Electrical fence on map

Trunking Control

- Call interrupt/override
- User stun/kill/revive

*SMS: short message service
*DGNA: dynamic group number assignment



Mobile Device Management Platform

MDM Pro

MDM Pro (Mobile Device Management Platform) provides a fast and easy way to program and upgrade dual-mode rugged radios, narrowband radios, broadband radios, body cameras in batches through wired or wireless connectivity such as 3G, LTE, or WLAN. This simple-to-use application removes physical boundaries and minimizes in-field programming time for cost reduction and productivity improvement. The powerful MDM Pro provides you with service-oriented functions such as track view, time fence, and smart battery management, to manage your devices effortlessly.

Highlights

Wireless Connection, Remote Control

Wherever your people are, on a mountain or under a well, in nearby block or overseas, MDM Pro allows you to easily upgrade or program their devices over 3G, LTE, or WLAN network.

Batch Programming, 4500% Faster

MDM Pro outperforms traditional programming. Traditionally, it takes several technical staff three days to finish programming 1,000 devices. Now, MDM Pro helps you get this job done just in minutes or hours.

Standby Redundancy

MDM Pro runs on an active server and a standby server for high availability. If the active server fails due to natural disasters (such as fire, flood, and earthquake), computer viruses, power failure, network error, and misoperation, the standby server automatically takes over its function just in 30 seconds to keep services running.

Auto Alarm Report

Once something goes wrong in basic services, device status reports, agency services, web, service push, and more, MDM Pro automatically reports the alarms to the network management system (NMS). This helps your NMS operator fix the problem as soon as possible.

Communication Security

HTTPS authentication secures access to MDM Pro. RSA-3072 and AES-256 encrypt data transmitted between the devices and MDM Pro.

Data Security

SHA-256 algorithm shields your data stored on the MDM Pro from unwanted exposure.

History Tracks and Heat Map

MDM Pro shows real-time and historical terminal locations, helping track devices and patrol routes. Field strength heat map,location heat maps, and terminal signal change map allow users to monitor narrowband trunking and broadband signal changes, evaluate coverage, and understand their impact on terminal communication.

Data Backup and Restore

MDM Pro can back up your call logs, messages, contacts, videos, photos, apps, notes, and more data to the server with one click. The backup data can be restored when you log in to a new device.

Kiosk Mode

MDM Pro can make your devices operate in Kiosk mode. In such mode, the devices are allowed to use only designated apps and features such as mobile data, WLAN or others. For example, the airport staff may use their devices to access only flight-related apps.

Device Health

MDM Pro helps you check the battery health on your device to ensure normal operation. It can detect and show unqualified batteries, such as batteries with a service life shorter than 8 hours, to ensure your communication is uninterrupted.

Data Export in Batches

MDM Pro enables you to export the device data in batches. including serial number, name, model, firmware version, online or offline log, battery health, installed apps, latest login time or location, permissions to various features, and more. The exported data helps you analyze the device status, making device management more efficient in the future.

Fence Policy

MDM Pro features fence policies to control device functions based on time and location. With time fences, only work-related features are available during specified periods, helping users stay focused at work. With geo-fences, administrators can define zones for regional terminal management.