



Hytera Professional DMR Products

Hytera, complying with ETSI DMR open standard, brings you versatile DMR series products, including portable radio, mobile radio, repeater, multi-site IP connection, simulcast system and trunking system. Hytera responds to your demands for smoother communication and higher management efficiency with the most valuable solution of leading digital technologies, innovative user-oriented product design, and complete product portfolio.



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Digital Value is Here

Today, the migration from analog to digital is transforming the industry of professional mobile communications.

With features that analog system has difficulties in achieving, digital technologies enable you to communicate smoothly, respond instantly, and operate efficiently with superior performance and versatile applications.

A flexible and scalable digital communication solution is what one expect. So who can deliver the best one?

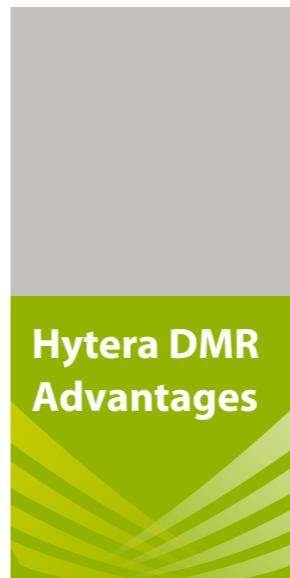
Hytera, a leading provider of PMR terminal and system equipment, keeps turning mature and advanced technologies into solutions that you can count on for your everyday communication. Attentively and rapidly responding to customer demands, Hytera delivers customized solutions to facilitate your digitization, providing higher organizational efficiency with its complete DMR portfolio fully compliant to ETSI DMR open standard: portable radio, mobile radio, repeater, multi-site IP connection, simulcast system and trunking system*.

To achieve more with Hytera, digital value is right here for you.



* More products and solutions to be launched soon. For more information please visit our website or contact our local sales representatives.

* X=0, 2, 5 6 or 8, model number varies geographically. For details, please contact our regional sales representatives.



Digital Mobile Radio (DMR) is an open digital radio standard established by European Telecommunication Standards Institute (ETSI). Featured with rich functions, such as voice & data transmission, and various applications in conventional and trunking mode, DMR has received global recognitions.*

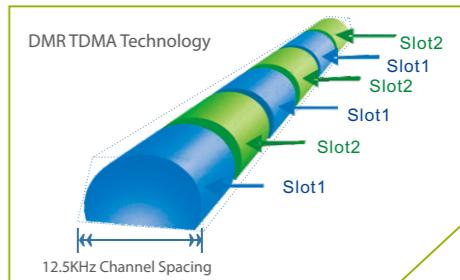
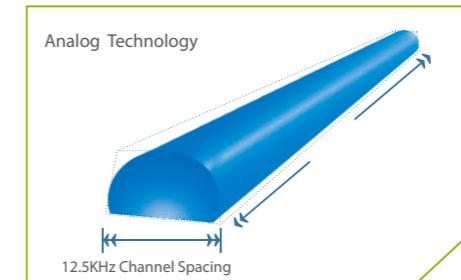
As a premium member of DMR Association, Hytera had mastered this technology. All our DMR products are fully compliant to ETSI DMR requirements and feature innovative applications.



Advanced Digital Technology »

① Higher Spectrum Efficiency

Benefiting from the TDMA technology, our DMR products allow twice the channels based on the same bandwidth. This is a big help to relieve the stress of increasing shortage in spectrum resource.

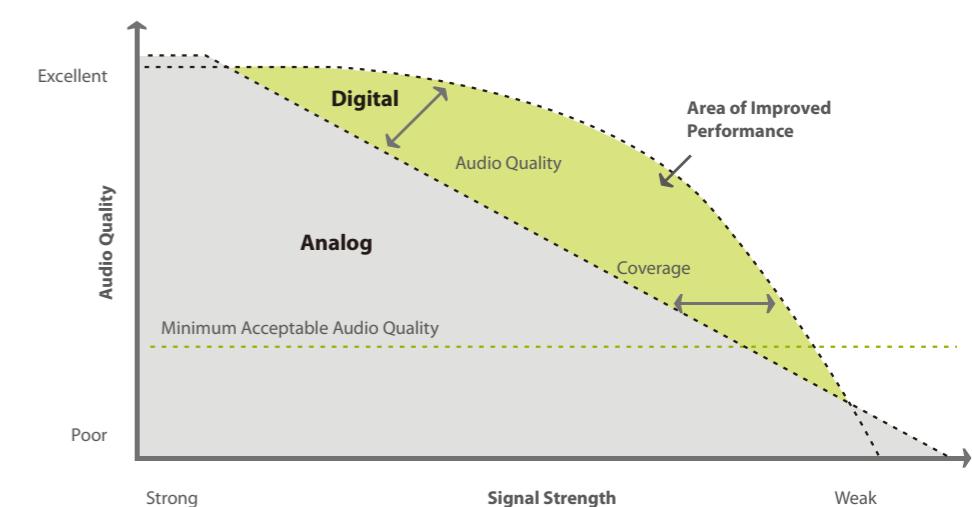


② Compatible with analog Mode

Our DMR products can operate in either analog or digital mode. It is compatible with the prevalent analog system, ensuring a smooth analog-to-digital transition.

③ Superior Audio Quality

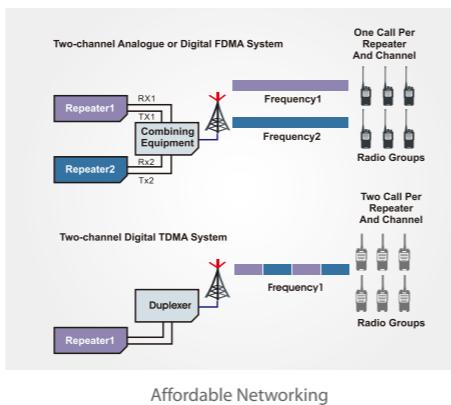
With the combined application of low rate vocoder and digital error-correction technologies, our DMR products ensure you superior audio quality even in noisy environments or at the edge of the coverage area.



* For more information about DMR technology, please visit the official site of DMR Association: www.dmrassociation.org, or visit our website for the DMR Technical Whitepaper.

④ Affordable Networking

Another advantage of the DMR TDMA approach is that you get two channels with one repeater, one antenna, and a simple repeater and duplexer. Compared with FDMA solutions, two-slot TDMA allows you to achieve 6.25 kHz efficiency while minimizing investments on network infrastructure.



Affordable Networking

⑤ Secure Communication

Voice signal is easy to be monitored on analog channel. With DMR technology, your communication can be secured by either signalling or ID (up to 16776415 IDs); what's more, our DMR products are equipped with a multi-level privacy mechanism comprising analog scrambler*, software encryption (encryption algorithm up to 256-bit), ensuring confidentiality of your communication.

⑥ Durable Battery

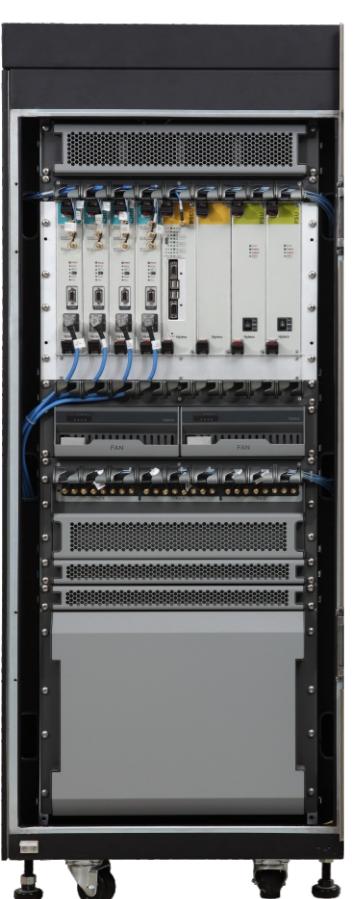
Compared with analog and FDMA technology, TDMA can improve digital radio battery life by up to 40%.

⑦ Rich Data Services

In addition to conventional communication services, our DMR products are powered by rich data services such as Message, GPS and Telemetry.

⑧ Versatile Voice Calls

The DMR intelligent signaling can realize various voice calls, including PTT ID, Private Call, Group Call, All Call, Emergency Call, Remote Monitor and Transmit Call Interrupt.



Trunking System



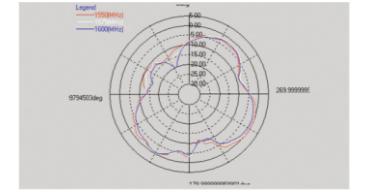
Ergonomic Design »

① Large-size Colour Display & Multilingual UI

The large-size TFT LCD display with multilingual UI delivers you favorable accessibility.



Large-size colour Display & User-friendly Menu



Innovative antenna which is integrated to ensure better performance.



Distinctive Knob Design



Ergonomic Key

② User-friendly Menu

The menu gives you quick access to all services and functions. All our DMR products employ the same UI style so that you can learn to operate different models easily.

③ Globally Patented Antenna Design

The radio antenna and GPS antenna are integrated to ensure convenient operation and better performance.

④ Separated Knobs

Separated by the antenna, the two knobs of portable radio stand apart from each other, which reduces misoperation when with gloves on or under dim light.

⑤ Ergonomic Key

The equipment incorporates big keys for ease of use and precise operation.

⑥ 2-in-1 Knob

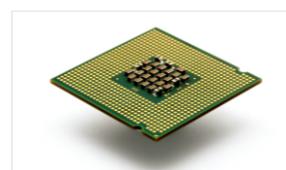
The 2-in-1 large knob allows easy channel selection and volume control with one knob operation.



Innovative Applications »

① Dual-slot Pseudo Trunking

With this unique feature, the free slot can be dynamically allocated to a member who needs to communicate, enhancing frequency efficiency.



Advanced Encryption

② Advanced Encryption

Our DMR products provide the 128-bit AES & ARCFour (ARC4) encryption with enhanced key management to secure your communication.



Multi-site IP Connection

③ Multi-site IP Connection

The scattered repeaters of different frequency bands can be connected via IP to create a wide communication network.

④ Analog/Digital Telephone Interconnect (via DTMF signaling)

The DMR base station supports simplex voice communications between radio and telephone users. It allows a radio user to make a telephone call; or a telephone user to make either a Group or Private call to radio users. This feature utilizes the Commercial Off The Shelf (COTS) Analog Phone Patch boxes and a Plain Old Telephone Service (POTS) line to connect the Repeater to the Corporate Office Phone System (PBX) or Public Switched Telephone Network (PSTN).



Prominent Scalability »

① Future Development Port

Our DMR products reserve port for you or any third party to further develop desired functions such as GPS, Call Control and Telemetry.

② Upgradable Software

Authorized dealers can download the Software Upgrade Kit from Hytera official website; this can help end-users upgrade software and enjoy further new enhancements & features*.

③ Optional Interface

A standard interface is reserved for you or any third party to further develop desired functions (such as Voice recorder, Bluetooth, RFID and Encryption) with the optional board.



Optional Interface

* Indicates functions compatible with HYT analog two-way radios.

*Contact our local sales representative for details.

Portable Radio

PD78X/78XG (UL913) PD70X/70XG (UL913)

Intrinsically Safe Full Power Digital Radio

Featured with compact design, IP67 protection, superior audio quality, rich applications and A/D compatibility, the portable radio family will refresh your communication experience!



PD70X/70XG (UL913)

PD78X/78XG (UL913)

Ergonomic Design

① Large-size Colour Display

PD78X/PD78XG (UL913) adopts a 1.8" TFT LCD display (65536 colours), allowing good visibility even under outdoor strong sunlight.

② Ergonomic Key

The radio incorporates big keys for easy of use and precise operation.

③ Distinctive Knob Design

Separated by the antenna, the two knobs of the portable radio stand apart from each other, which reduces accidental activation when changing volume channel.

④ Integrated Antenna

The radio antenna and GPS antenna are integrated to ensure convenience and high performance.

⑤ Rugged and Reliable

Compliant to MIL-STD-810 C/D/E/F/G and HALT (Highly Accelerated Life Test).

⑥ IP67 Compliance

All portable radios comply with IP67 requirements, withstanding immersion testing (1m for up to 30 minutes).

Additional Features

Messaging

PD78X/PD78XG (UL913) supports multi-line text message transmission, up to 256 characters per message.

GPS

The built-in GPS chipset in PD78XG/PD70XG (UL913) allows GPS data transmission.

Durable Battery

The supplied 2000mAh Li-Ion battery enables your radio to work for at least 14¹ hours continuously under the duty cycle of 5-5-90².

Vibration Alert

Quite useful when you are in meeting or noisy environments.

Channel Announcement

The radio can provide a voice announcement for the current channel during channel change.

Man Down

An emergency alarm will be triggered when the radio is down or positioned aslant for a preset time period, improving user safety.

Rich Signaling

HDC1200, DTMF phone, 2-Tone and 5-Tone offers strong scalability, through software upgrade.

Scan

PD78X/78XG (UL913) supports scanning of pure Analog voice and signaling, pure Digital voice and data, and also mix mode scan both Analog and Digital activities.

Supplementary Services

PD78X/78XG (UL913) supports supplementary services of Radio Check, Remote Monitor, Call Alert, Radio Enable, Radio Disable & Transmit Call Interrupt.

UL913/CSA Certificate

Class I, II, III, Division 1, Group C-G, -30°C to 55°C, T4

Class I, Division 2, Group A-D

Portable Radio

PD79X Ex

IIC Intrinsically Safe Digital Portable Two-way Radio

Hytera PD79X Ex, a portable DMR radio that complies with the world's strictest safety standard. Plastic-encapsulated technology, error-prevention design, and IP67 protection ensure intrinsically safe and reliable communication in hazardous scenes with explosive gas and combustible dusts.



PD79X Ex

Innovative Design

① Improved PCB Circuit Layout & EMC Shielding

To achieve such a high safety standard, Hytera PD79X Ex adopts optimized distributed line design on PCB, minimizing the odds of circuit fault. All the key components on the PCB are covered with shield, and the space between lines, between components, between component and shield are properly spaced, which translates to better EMC performance and less internal interference.

② Innovative Silicone Encapsulating

Silicone encapsulant technology prevents the internal circuits from interface with air and liquid which effectively stops the intrusion of liquid, dust and harmful gas. The silicone encapsulating process is delicate and complicated. As a result, every single PD79X Ex radio spends eight hours in the manufacture line.

③ Innovative Electrostatic Free Design

Hytera applies patent on electrostatic free design and dualmaterial molding technology in this intrinsically safe portable. The static dispersive material (blue) minimizes static accumulation on the surface, thus reducing the probability of static discharge on the radio. Meanwhile the robust material (black) maximizes the ruggedness of the enclosure.

④ IP67 (non-explosion-proof)

The Ingress Protection reaches IP67 (6: Totally protected against dust; 7: Protected against the effects of immersion up to 1m for 30 minutes). It's the highest IP level for land-based wireless radio application.

⑤ Patented Battery Latch

To disengage the battery from Hytera digital portables, the lock and bolt of the latch need to be moved along two different axes. Such a patented design ensures no disengagement of the battery pack from the main radio in case of dropping that might cause spark.

Additional Features

• Environmentally Safe and High Reliability

Hytera PD79X Ex is designed upon the strict requirements of European ATEX and North American FM standards. With certifications for ATEX, IECEX, the latest FM and CSA specifications, the radio works safely in most hazardous environments even with the presence of hydrogen and dust particles. The overall design complies with the latest American Military Standard-MIL-STD-810G, which makes it can bear the harshest environments like High/Low Temperature, High Humidity, Vibration, and Shock.

• Enhanced Safety

Hytera PD79X Ex provides a dedicated emergency button. In case of any accident, press on the button will trigger an alarm and initiate a voice call to a pre-programmed work fellow or group. Built-in Man-down, GPS and Lone Worker functions are also available with the digital portable.

• High-capacity and Safe Li-Ion Battery

Hytera PD79X Ex provides high-capacity Li-Ion battery of 1800mAh with long shift life of 17 hours under 5-5-90 duty cycle. The battery charging and discharging circuits are stringently designed to prevent overcharging or discharging causing high heat, which leads to unstable battery environments. In addition the battery cells are also encapsulated to redistribute single point heat buildup and also prevent air discharge.

• High Audio Quality and Assured Communication Based on DMR Technology

Benefitted from the advantages of DMR digital technology, PD79X Ex provides higher audio quality and stable communication performance with 40% less battery consumption than analog radios. It provides better communication quality and enhanced privacy, and moreover reduces overall equipment costs.

• Easy to Use

Hytera PD79X Ex is very easy to use. It provides tough and highly readable LCD screen and intuitive user interface. The anti-skidding and fool-proofing ergonomic designs are dedicated for user easy operation. Large PPT button and channel knobs are equally useful for users wearing gloves.

¹Above 14 hours in digital mode; Above 10.5 hours in analog mode.

²5-5-90: 5% for transmitting, 5% for receiving and 90% for standby.

Portable Radio

X1e/X1p

Professional Digital Portable Two-way Radio

Hytera X1e, the world's smallest full power DMR radio; Hytera X1p, ultra-thin full power keypad digital portable radio, complies fully with ETSI open standard. Perfect combination of structural rigidity, versatile functionalities, and refined design; secure communication ensured by AES encryption algorithm & 256 digit dynamic encryption keys; convenient application development facilitated by built-in Bluetooth and USB port; and worry-free handling achieved by IP67 protection.

All comes with a surprisingly small size: 18mm(X1e)/21mm (X1p) (1100mAh Li-ion battery) thin.



X1e

X1p

Innovative Design

① Ease of use

Easy to use with the rugged body as thin as 18mm (X1e)/21mm (X1p), professional wireless headsets or collar microphone, palm controller and flexible antenna.

② IP67

Complies with IP67 requirements, withstanding up to 1m submersion for 30 minutes or more.

③ Rugged & reliable

Complies with MIL-STD-810 C/D/E/F/G standards and passes HALT (Highly Accelerated Life Test)

④ Large-size colour display (X1p).

X1p adopts a 1.8" TFT LCD display (65536 colours), allowing good visibility even under outdoor strong sunlight.

Additional Features

Advanced Encryption

AES encryption algorithm & 256 digits dynamic encryption key ensures secure communication.

Supports Hytera Bluetooth accessories

The radio supports Hytera Bluetooth accessories: EHW02, Bluetooth earpiece; POA47, Bluetooth Ring PTT.

Open USB Interface

Open USB port facilitates secondary and application development.

GPS Positioning

The built-in GPS module supports GIS applications.

Dual Modes (analog & digital)

Dual modes (analog & digital) operation ensures a smooth analog-to-digital migration.

Versatile Voice Calls

Versatile voice calls include individual call, group call and all-call.

Vibration

Vibration alerts the reception of voice call and message.

Rich Signalling

Supports multiple advanced analog signaling, including HDC1200, DTMF phone, 2-Tone and 5-Tone, providing more expansion capacity.

Software Upgradable

Upgrade software enables new features without buying a new radio; X1e/X1p could also be switched into MPT and DMR trunking modes with corresponding license applied in the same hardware.

Mobile Radio

MD78X/78XG

Professional Digital Mobile Two-way Radio

Characterized by superb performance, high reliability and strong scalability, the mobile radio family will enrich your communication experience!



MD78X/78XG

Ergonomic Design

① Large-size Colour Display

2.0" TFT LCD display (260,000 colours).

② 2-in-1 Knob

Easy channel selection and volume control with one knob operation.

③ Rugged and Reliable

Compliant to MIL-STD-810 C/D/E/F/G & IP54 requirements, and passing of HALT. (Highly Accelerated Life Test).

④ LED Indicator

The LED is integrated around the knob to give you clear indication about the radio status.

⑤ Secure MIC Jack

Working with a palm microphone to ensure audio quality.

⑥ Powerful Speaker

The built-in 7W speaker generates loud and clear voice.

⑦ 7 Programmable Keys

⑧ Durable Front Panel

⑨ Standard DB26 Secondary Development Port reserved for further development.

Additional Features

Rich Analog Signaling

MD78X/78XG supports various analog signaling types (HDC1200, DTMF phone, 2-Tone and 5-Tone), various squelch control types (CTCSS/CDCSS), thus providing higher function expansion capacity to the analog world.

Switchable Power

50W/25W for VHF and 45W/25W for UHF.

Messaging

MD785/MD785G supports text message transmission, up to 256 characters per message.

GPS

The built-in GPS chipset in MD785G allows GPS data transmission.

Multilingual Menu

The radio supports up to 15 languages, including English, Simplified Chinese, Traditional Chinese, Thai, Arabic, Farsi, Korean, Portuguese, Italian, Russian, Polish, Turkish, French, Spanish and German, allowing you to select as per your need.

One Touch

MD78X/78XG supports One Touch features that comprise of Text Message, Voice Calls and Supplementary Services.

Scan

MD78X/78XG supports scanning of pure Analog voice and signaling, pure Digital voice and data, and also mix mode scan that comprise of Analog and Digital activities.

Supplementary Services

MD78X/78XG supports supplementary services of Radio Check, Remote Monitor, Call Alert, Radio Enable and Radio Disable.



Large-size colour display

Repeater

RD98X Professional Digital Repeater

Distinguished by modularized design, excellent heat dissipation and handy management, the repeater delivers you more than reliability.



Front of RD98X



Rear of RD98X

Ergonomic Design

- ① **Modularized Design**
Helpful to enhance reliability and performance.
- ② **Large-size Colour Display & UI Interface**
The 2.0" TFT LCD display & UI interface enables you to access and manage the repeater easily.
- ③ **Ergonomic Navigation Knob**
Easy access to functions with big navigation knob to facilitate operation.
- ④ **Excellent Heat Dissipation**
The unique cooling design combining a built-in heat pipe and a temperature-controlled fan ensures quick heat dissipation, enabling the repeater to work well even with full load.
- ⑤ **LED Indicator**
The LED indicators enables you to identify the repeater status clearly.
- ⑥ **Compact Body**
The 2RU/19" rack allows more installation flexibility while requiring less space.
- ⑦ **Built-in Duplexer**
Enough space is reserved for built-in duplexer, saving installation space.
- ⑧ **4 Programmable Keys**
- ⑨ **Built-in Speaker**

Additional Features

- Repeater Diagnostic and Control (RDAC)**
RD98X supports Remote (via IP port to connect to internet) and Local diagnostic (via USB) PC applications to monitor, diagnose and control the repeater status, thus increasing the maintenance efficiency. Hytera's developed RDAC is able to support multiple master network connection to allow radio administrator to monitor multiple radio network upcoming!
- Dual-slot Audio Output**
Capable of seamless recording and monitoring of your communication.
- Analog Digital Autoswitch**
The repeater can be operated in both digital and analog modes, and smartly shift to the right mode according to the type of received signal.
- Flexible Networking**
The multiple scattered repeaters of different frequencies can be interconnected via IP to form a wireless communication network, allowing automatic roaming and voice & data transmissions for terminals within the network.
- Digital-analog Interconnection for Smooth Transition**
Back to back interconnection of digital & analog network can be achieved by wired or wireless IP, ensuring a smooth analog-to-digital transition.
- RF Output Power up to 50W**
- 16 Channels**
RD98X supports decoding up to maximum of 16 CDCSS/CTCSS in Analog channels, allowing repeating of different Analog voice users from various groups.
- Supports Operating both in Analog and Digital Mode**
- Analog Repeater Knockdown**
RD98X supports repeater knockdown, that when activated via the repeater's rear accessory pin, will disabled the transmit path of the repeater.

Repeater

RD96X Digital Portable Repeater

RD96X is Hytera's first digital/analog portable repeater that is compatible with the DMR standard. Compact and embedded with a mini duplexer, the device is fairly wieldy. It supports a range of power supply plans to guarantee uninterrupted communications during emergencies; its API and 100 Mbps network port combine to support an extended array of applications; the device provides IP67 protection, making it reliable in any hostile operating environment.



RD96X

Innovative Design

- ① **Slim and Portable**
Based on a compact design, the device measures only 41mm and weighs less than 3kg. Built-in Duplexer: Embedded with an optional mini duplexer, RD96X can be slimmer in size.
- ② **External Battery**
With an external large-capacity battery, the device delivers an extended battery life to guarantee uninterrupted communications.
- ③ **Emergency Port**
The port allows for power connection in emergencies.
- ④ **IP67 Protection**
Compatible with the IP67, the device can operate properly under immersion test (1meter for up to 30 minutes).
- ⑤ **Reliable and Durable**
Compatible with the American military standard MIL-STD- 810 C/D/E/F/G and HALTverified, the device can perform excellently in hostile operating environments.
- ⑥ **User-friendly Panel**
The operating panel provides a wide range of channel status indicators, a button for channel adjustment, and a port for palm microphone or remote speaker microphone.

Additional Features

- Smart Battery (optional)**
A 10Ah smart Li-Ion battery can support at least eight hours of work when working at 50% duty cycle and high TX power. Compatible with the smbus1.1 standard, RD96X can monitor battery conditions such as estimated remaining capacity, used capacity percentage, and usage record; the device can also maximize the battery life; through smart charge management, it can automatically recharge the battery for use anytime; powered by three levels of battery protection, the device considerably enhances charging safety and reliability.
- Repeater Diagnostics and Control**
Through a PC-based application, the product can monitor, diagnose and control remote (connected to the Internet via an IP port) and local repeaters (via a USB port), thus increasing the productivity. Hytera's RDAC software supports network access at multiple points and allows the administrator to monitor networked two-way radios.
- Voice Input/output via Dual Time Slots: easy for monitoring and voice recording**
In digital mode, the device supports voice input and output via dual time slots and enables users to record calls continuously.
- Digital/analog Compatibility and Smart Switching**
Back to back interconnection of digital & analog network can be achieved by wired or wireless IP, ensuring a smooth analog-to-digital transition.
- Flexible Networking**
By connecting geographically distributed repeaters that run at the same or different frequencies to form an IP-based and location-independent wireless communication network, IP-based repeater interconnection allows mobile radios to obtain voice and data services while roaming.
- 16 Channels**
The product supports up to 16 channels. You can switch between channels using PC-based RDAC software, the channel selector knob on the front panel, or the external interface on the repeater.
- Digital-analog Interconnection for Smooth Transition**
The feature enables two-way radios with digital and analog capabilities, and digital and analog users to intercommunicate in different operating modes to guarantee users' seamless transition from analog to digital capabilities.
- GPS**
The GPS module supports GPS data transmission and enables emergency command centers to monitor the location of a small mobile network in real time.

Repeater

RD98XS

Digital Super Repeater

As an improved version of RD98X DMR digital repeater, RD98XS adopts a more powerful and compatible hardware platform, and can flexibly function as 8 kinds of products by software upgrade, meeting customers' requirements in different periods for higher ROI. The possible functions are:

- Analog conventional repeater
- Analog simulcast transceiver
- MPT trunking transceiver
- Digital conventional repeater
- Digital simulcast transceiver^{*}
- DMR trunking transceiver



Front of RD98XS



Rear of RD98XS

Ergonomic Design

① Modularized Design

Helpful to enhance reliability and performance.

② Large-size Colour Display & UI Interface

The 2.0" TFT LCD display & UI interface enables you to access and manage the repeater easily.

③ Ergonomic Navigation Knob

Easy access to functions with big navigation knob to facilitate operation.

④ Excellent Heat Dissipation

The unique cooling design combining a built-in heat pipe and a temperature-controlled fan ensures quick heat dissipation, enabling the repeater to work well even with full load.

⑤ LED Indicator

The LED indicators enables you to identify the repeater status clearly.

⑥ Compact Body

The 2RU/19" rack allows more installation flexibility while requiring less space.

⑦ Built-in Duplexer

Enough space is reserved for built-in duplexer, saving installation space.

⑧ 4 Programmable Keys

⑨ Built-in Speaker

Additional Features

Compatible Hardware and Scalable Software

Based on a unified hardware platform, RD98XS enables customers to upgrade software from analog to digital, conventional to simulcast, and conventional to trunking capabilities without purchasing a new repeater.

Repeater Diagnostics and Control

Through a PC-based application, the product can monitor, diagnose and control remote (connected to the Internet via an IP port) and local repeaters (via a USB port), thus increasing the productivity. Hytera's RDAC software supports multi-site connection and allows the administrator to monitor networked repeaters.

Voice via Dual Time Slots (easy for monitoring and voice recording)

In digital mode, RD98XS supports voice input and output through dual time slots and enables users to record calls continuously.

Digital-analog Interconnection for Smooth Transition

Back to back interconnection of digital & analog network can be achieved by wired or wireless IP, ensuring a smooth analog-to-digital transition.

Flexible IP Networking

By connecting geographically distributed repeaters that run at the same or different frequencies to form an IP-based and location-independent wireless communication network, the IP feature allows mobile terminals to obtain voice and data services while roaming.

High Reliability

MTBF of up to 100,000 hours for cyclic and continuous transmission at 50W TX power and 100% duty cycle.



Accessories

Hytera also provides a full line of professional accessories (such as audio accessory, battery, charger and carrying accessory*) to deliver an optimal communication experience.

For Portable Radio »



Carrying Case (LCY003) Explosion-proof Carrying Case (LCY005)



MCU Multi-unit Rapid-rate Charger(MCA06)

High-capacity Battery

BL2006 Li-Ion Battery (2000mAh) (Standard)

BL2503 Li-Ion Battery (2500mAh) (Optional)

BL1807-Ex Explosion-proof Li-Ion Battery (1800mAh) (Optional)

Power Supply

CH10A04 MCU Rapid-rate Charger (for Li-Ion/Ni-MH batteries) (Standard)
CHV09 Vehicle Power Adapter (Output: 12V 1A)

PS1026 Switching Power Adapter (with a rapid-rate charger) (Output: 12V 1A) (Standard)

MCA06 MCU Multi-unit Rapid-rate Charger (for Li-Ion/Ni-MH batteries)

MCA05 Battery Optimizing System (with LCD)

PS7002 Six-unit Switching Power

Carrying Accessories

LCY003 Carrying Case (for thick battery) (leather) (swivel)

LCY005 Explosion-proof Carrying Case (for thick battery) (leather) (swivel)

RO04 Leather Strap (Standard)

BC19 Spring Belt Clip (Standard)



Battery Optimizing System (MCA05)

Antenna

GPS Antenna

Data Cables

PC38 Programming cable (USB)

* Additional GPS board is required when using as simulcast transceiver.

* Indicates accessories to be promoted. For more information, please visit our website or contact our local sales representative.



ESW01-N1



EBN10-Ex



ELN10-Ex



ECN22-Ex



EAN17



EAN18



PC37



PC40



PC43



PC47



PC49



BC00004



ESN12



EHN16



EHN17



SM18N2



SM18N4-Ex

Audio Accessories

ESW01-N1	Wireless Earpiece Kit (kit of Wireless earpiece and adapter)
EBN10-Ex	ATEX Bone Microphone Headset with N1 PTT part
ELN10-Ex	ATEX Throat Microphone Headset with N2 PTT part
ECN22-Ex	ATEX Heavy Duty Headset with Big PTT part
ESN12	Detachable earbud earpiece
EHN16	Detachable earhook C-earpiece
EHN17	Detachable adjustable earhook earpiece
EAN17	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Beige)
EAN18	3-wire Surveillance Earpiece with Transparent Acoustic Tube (Black)

ESS07	Receive-Only Earbud (for use with remote speaker microphone)
ESS08	Receive-Only Earpiece with Transparent Acoustic Tube (for use with remote speaker microphone)
SM18N2	Waterproof Remote Speaker Microphone (IP57)
SM18N4-Ex	Explosion-proof Palm Microphone (IP67)

For Mobile Radio »

Antenna

GPS04	Mobile GPS Antenna, SMA, 1575MHz
GPS06	Vehicle GPS/GLONASS Antenna(SMA,1590MHz,3m)



Mobile GPS Antenna (GPS04)

Maintenance Kit

PC37	Programming Cable (USB Port)(RoHS)	PC61	Multi-functional Data Cable for Mobile Radio
PC40	Data Transmission Cable (RoHS)	PC60	Ignition Cable for Mobile Radio
PC43	DB26-connector Dispatching Cable	BC00004	Programming software kit (programming cable + disk)(RoHS)
PC47	Programming Cable(CPS programming and firmware upgrading)	POA56	DMR GOB
PC49	Back to back data cable		



Vehicle installation accessories

BRK08	Vehicle installation kit(RoHS)
RCC04	Remote Mount Kit (with control head, with 3M cable)
RCC05	Remote Mount Kit (With control head, with 6M cable)
PC46	3M cable for remote mount kit
PC48	6M cable for remote mount kit
BRK15	In-Dash Mounting Kit(DIN)(RoHS)
POA33	Fuse(RoHS)
RCC06	Remote Mount Kit (Without control head, with 3M cable) * only applicable for mobile radio ordered since 1st Jan. 2012
RCC07	Remote Mount Kit (Without control head, with 6M cable) * only applicable for mobile radio ordered since 1st Jan. 2012



Power supply Accessories

PWC10	Power supply cable for mobile radio(3m)
PS22002	Power Supply for Mobile Radio(300W,Backup Power Supply applicable)



Power Supply for Mobile Radio (PS22002)



Power supply cable for mobile radio (PWC10)

For Repeater »

Power Cord

PWC11	DC Power Cord for Repeater
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Installation Accessories

BRK12	Installation accessory for rack-mounted power supply (2U)(Black)
BRK14	Installation Accessory for Rack-mounted Power Supply (2U)(Gray)
BRK09	Duplexer Installation Kit (For DT11&DT14)
BRK16	Duplexer Installation Kit (For DT11-DT17)



Data Cables

PC37	10pin programming cable (USB)
PC40	DB26 Data Cable (USB)
PC49	Dispatch cable

Duplexer Installation Kit (For DT11&DT14)

External Power Supply(PS22002)

Installation Kit(2U)(Gray)(Black)

Power Supply

PS22002	External Power Supply (300W, applicable to backup batteries. If AC power malfunctions, backup battery will operate as a substitute automatically.)
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Duplexer

DT11	for frequency: 380-470MHz; RX-TX spacing: 5-13MHz
DT12	for frequency: 160-174MHz; RX-TX spacing:5MHz
DT13	for frequency: 148-160MHz; RX-TX spacing:5MHz
DT14	for frequency: 336-370MHz; RX-TX spacing: 8-13MHz

DT15 for frequency: 136-148MHz; RX-TX spacing:5MHz

DT16 for frequency: 440-480MHz; RX-TX spacing:5MHz

DT17 for frequency: 480-512MHz; RX-TX spacing:5MHz

