



KIRISUN DMR PRODUCTS & SOLUTIONS CATALOGUE



Convergence | Evolution | For a Safer World



Mission

Rooted in communication for greater efficiency.
Driven by innovation for a safer world.

Vision

Become a world-leading professional
wireless communications solution provider.

About Kirisun

Founded in 2001, Kirisun is a professional communication-focused solution provider and operation service provider, who is committed to providing intelligent and integrated professional communication solutions and services for global public safety, emergency management, fire rescue, energy and chemical industry, forestry and water conservancy, transportation and logistics, industry and commerce, and other government and industry customers, to make communication more efficient. Relying on continuous R&D innovation and integration of security perception, collaborative linkage capabilities, Kirisun builds a secure communication system for the future of the Internet of everything, making the world safer.

Adhering to innovation-driven development, Kirisun invests more than 15% of its annual revenue for R&D investment, more than 35% of R&D engineers of its total employees. Kirisun has set up its three R&D centers in Shenzhen, Guangzhou, and Quanzhou. Kirisun has a world-class intelligent manufacturing base of 12,000m², with an annual production capacity of 1.2 million units, and ensures reliable delivery through a high-standard supply chain and quality management system. Up to now, Kirisun business has covered all provinces in China and more than 100 countries and regions around the world, providing high-quality, fast-response localization services for our global customers.

As the pioneer in the industry, Kirisun has always been fighting in the front line of communication security. It has escorted major projects such as the National Stadium (Bird's Nest), Shanghai World Expo, and APEC Asia Summit, etc. becomes the backbone of communication security behind major national events.

Why DMR

Digital Mobile Radio (DMR) is a digital wireless communications standard launched by the European Telecommunications Standards Institute (ETSI) for land mobile radio (LMR) industry (ETSI TS 102 361-1, 2, 3, 4). It adopts two time slots TDMA (Time Division Multiple Access) technology to allow two simultaneous voice transmissions for one frequency carrier channel.

For DMR standard, it covers three tiers of possible products:

- **Tier I:** DMR equipment having an integral antenna and working in direct mode (communication without infrastructure) under a general authorization with no individual rights operation.
- **Tier II:** DMR systems operating under individual licence working in direct mode or using a Base Station (BS) for repeating.
- **Tier III:** DMR trunking systems under individual licence operating with a controller function that automatically regulates the communications.

As far as we know, there are also other LMR technologies, including TETRA, APCO P25, dPMR, TETRAPOL, FHMA, NXDN, D-Star, iDEN, and etc. Due to the IPR, technology, standard or business reasons, TETRA, P25, and DMR become three major technologies in the global LMR public safety industry. Thus, we will compare the three technologies: TETRA, P25, and DMR as follows.

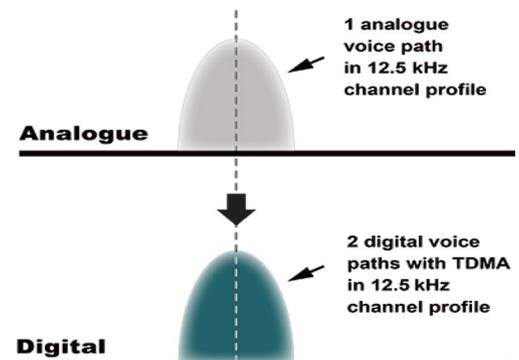
Item	DMR	TETRA	P25
Multiple Access	2-slot TDMA	4-slot TDMA	Phase 1: FDMA Phase 2: 2-slot TDMA
Channel Bandwidth	12.5kHz	25kHz	12.5kHz
Modulation	4FSK	Pi/4-DQPSK	Phase 1: C4FM Phase 2: HCPM
Modulation Rate	9.6 kbps	36 kbps	Phase 1: 9.6 kbps Phase 2: 12 kbps
Coverage	Large	Small	Large
Cost	Low	High	High
Encryption	Support	Support	Support
Customization	Flexible	Normal	Less
Equipment Availability	Many Manufactures	Some Manufactures	Few Manufactures

From the above comparison, it is obvious that DMR has more advantages compared with TETRA and P25, that is, low cost, wider area coverage, flexible customization, and more manufactures.

The Key Benefits of DMR technology are as follows:

- Doubling of capacity in existing licensed channel

Each communication path is active for half of the time in 12.5kHz of bandwidth, each uses an equivalent bandwidth of half x 12.5kHz or 6.25kHz. This is known as having an efficiency of one talk path per 6.25kHz of spectrum. However with DMR the channel as a whole maintains the same profile as an analogue 12.5kHz signal. This means that DMR radios operate in the licence holders existing 12.5 kHz or 25kHz channels; there is therefore no need for re-banding or re-licensing but at the channel capacity is doubled.



- Efficient use of infrastructure equipment, reducing cost

With DMR TDMA you get two communications channels with one repeater, one antenna and a simple duplexer. Compared to FDMA solutions, two-slot TDMA allows you to achieve 6.25 kHz efficiency while minimising investments in repeaters and combining equipment.

- Ease of use and creation of data applications

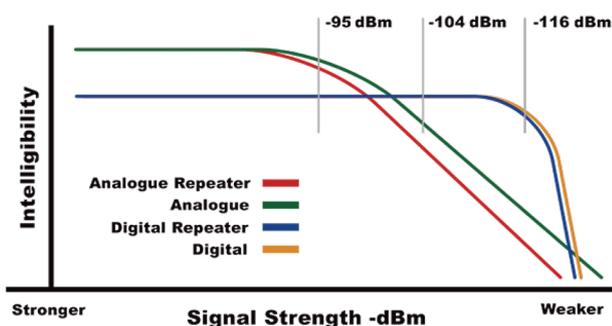
The end-to-end digital nature of DMR means that applications such as text messaging, GPS and telemetry can be easily added onto radio devices and systems. The DMR standard supports the transmission of IP data over the air enabling the easy development of standard applications.

- System flexibility through simultaneous use of TDMA channels

While voice is using the first time slot then the second time-slot can, in a TDMA system, be used for transmitting application data such as text messaging or location data in parallel. The future roadmap for two-slot TDMA applications includes the ability to temporarily combine both slots to effectively double the data rate to 9.6 kbps, or to use both slots together to enable full-duplex, phone call like, private calls. FDMA radios cannot deliver these capabilities without the expense of adding extra transceivers and using additional licensed channels.

- Superior audio performance

DMR digital technology provides better noise rejection and preserves voice quality over a greater range than analogue, especially at the farthest edges of the transmission range. This is because a great deal of effort was put into selecting Forward Error Correction (FEC) and Cyclic Redundancy Check (CRC) coders when developing the standard.



- Encryption

The end-to-end encryption is supported through ARC4-40, DES-64, AES-128, or AES-256 encryption method.

- Longer battery life and greater power efficiency

Since an individual call on two-slot TDMA only uses one of the two time slots it requires only half of the transmitter's capacity. The transmitter is idle half of the time; whenever it's the unused timeslot's "turn". Thus, this can make the portable radio's battery have more longer life and the power efficiency is improved.

- Advanced control features

The DMR standard allows for the ability to use the second time-slot for reverse-channel signalling – that is, instructions in the form of signalling being sent to the radio on the second time slot channel while the first channel is in a call. This enables priority call control, remote control of the transmitting radio, or emergency call preemption and gives precise control and flexibility to the operator of a radio system. FDMA systems cannot deliver similar functionality because they are limited to one path only per spectrum channel.

- Direct mode

This mode of communications provides mobile users with the ability to communicate directly from radio to radio when out of range of the network.

DMR offers two possibilities for DMO: Normal DMO - One communication on a 12.5 kHz channel or Frequency efficient DMO - Two independent communications on a 12.5 kHz channel using both TDMA time slots.

In short, DMR technology has become the preferred LMR technology in industry due to its advantages in cost-effectiveness, wider coverage, system flexibility, audio quality, encryption, and etc. With the continuous development and improvement of DMR technology, the more customers will use more and more DMR equipment.



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DM588



UP305



UP405S



DP405



DP485/DP480



DP585/DP580



DP200/DP205/DP275/DP375

Terminal Products

Commercial Series DMR Tier II

UP305



- Analog, Digital and Mixed Modes.
- Feature Rich.
- Secure Communication.
- Long Shift Life Battery.
- Innovative Design.
- Improved Audio Quality.
- Multiple Audio Profiles.
- Bluetooth Connectivity.
- Dual-time slot Communication in DMO Mode.
- Industry Benchmark for Sensitivity.

UP405S



- Analog, Digital and Mixed Modes.
- Dual-time slot Communication in DMO Mode.
- Industry Benchmark for Sensitivity.
- Feature Rich.
- Secure Communication.
- Active View Display.
- Long Shift Life Battery.
- Multiple Audio Profiles.
- Bluetooth Connectivity.
- Improved Audio Quality.

DP405



- Clear and Loud Voice in Compact Size.
- Long Working Time(15-18 hours).
- Secure Communications with ARC4 40 Bits Encryption.
- Auto Detection for Analog Mode and Digital Mode.
- Dual Capacity in Direct Mode.
- VOX.
- Dual-slot Pseudo Trunking in Repeater Mode.
- Customized Voice Announcement.

DP485/DP480



- 3 Programmable Buttons.
- Long Working Time (15-18 hours).
- Secure Communications with ARC4 40 Bits Encryption.
- Auto Detection for Analog Mode and Digital Mode.
- Dual Capacity in Direct Mode.
- GPS, Man-down, Roaming.
- Dual-slot Pseudo Trunking in Repeater Mode.
- Customized Voice Announcement.

DP585/DP580



- GPS, Man-down, Roaming.
- 3 Programmable Buttons.
- Long Working Time (15-18 hours).
- Dual Capacity in Direct Mode.
- Customized Voice Announcement.
- Versatile Service: Text Message, Radio Disable/Enable, Remote Monitor, Radio Check.

DM588



- Compact Size with 1.8 Color display.
- Analog Mode, Digital Mode, Mixed Mode.
- Secure Communications with ARC4, DES and AES encryption.
- Analog Signaling: 5Tone, DTMF.
- Roaming.
- Reliable Quality: IP54&MIL810C/D/E/F/G.
- GPS Positioning.
- Versatile Service: Text Message, Radio Disable/Enable, Remote Monitor, Radio Check.

DP200/DP205



- Compact and Lightweight Design.
- Analog/Digital Dual Mode.
- Dual-time Slot Communication in DMO Mode.
- Secure Communications with ARC 40/AES 128/AES 256 Encryption.
- 4W Transmit Power.
- Crystal-clear Audio with 40mm Professional Speaker.
- Detachable Dual-cell Li-ion Battery for 2850mAh@3.85V.

DP275



- Compact and Anti-Slip Design.
- Analog/Digital Dual Mode.
- Fast Type-C Charging.
- Extended Power-Saving Mode.
- Intelligent Audio Optimization System.
- Comprehensive Voice Encryption.

DP375



- Analog/Digital Dual Mode.
- Dual-time Slot Communication in DMO Mode.
- Secure Communications with ARC 40/AES 128/AES 256 Encryption.
- Optimized Antenna Design Enhances Transmission Distance.
- Crystal-clear Audio with 40mm Professional Speaker.
- Detachable Dual-cell Li-ion Battery.
- Long Working Time (20 hours, 5-5-90 Duty Cycle).
- IP67.



MAIN SPECIFICATIONS

Model	Frequency Range	Channel Capacity	Battery Capacity	Working Time	Size	Weight	Power Output	IP Level
DP405	136-174MHz 350-400MHz 400-470MHz 450-520MHz	256	2000mAh	Analog: 16hrs Digital: 18hrs	116×54.8×34.3mm	257g	VHF: 1-5W UHF: 1-4W	IP54
DP485	136-174MHz 400-470MHz	256	2000mAh 2500mAh	Analog: 16hrs Digital: 18hrs	117.6×54×35.9mm	282g	VHF: 1-5W UHF: 1-4W	IP54
DP480	136-174MHz 400-470MHz	256	2000mAh 2500mAh	Analog: 16hrs Digital: 18hrs	117.6×54×35.6mm	297g	VHF: 1-5W UHF: 1-4W	IP54
DP585	136-174MHz 350-400MHz 400-470MHz	256	2000mAh 2500mAh	Analog: 16hrs Digital: 16hrs	116.7×54.6×36mm	288g	VHF: 1-5W UHF: 1-4W	IP66
DP580	136-174MHz 350-400MHz 400-470MHz	256	2000mAh 2500mAh	Analog: 16hrs Digital: 16hrs	116.7×54.6×36mm	300g	VHF: 1-5W UHF: 1-4W	IP66
DM588	136-174MHz 400-480MHz	256	DC: 13.6V	/	151×47×149mm	1.15kg	10-25W	IP54
UP305	400-470MHz	256	1200mAh	12hrs	108x52x29mm	216g	1-4W	IP54
UP405S	400-470MHz	256	1500mAh	15hrs	115x55x29mm	254g	1-4W	IP54
DP200	446MHz	32 (2 zones*16)	2850mAh(3.85V)	Analog: 20hrs Digital: 30hrs	110x54x26mm	157g	0.5W	IP54
DP205	446MHz	32 (2 zones*16)	2850mAh(3.85V)	Analog: 20hrs Digital: 30hrs	110x54x26mm	157g	0.5W	IP54
DP275	400-470MHz 136-174MHz	32 (2 zones*16)	1800mAh	Analog: 15hrs Digital: 18hrs	107x54.5x34mm	≤240g	VHF: 1-5W UHF: 1-4W	IP54
DP375	400-470MHz 136-174MHz	256	2000mAh	Analog: 16hrs Digital: 20hrs	118x55x34mm	260g	1-5W	IP67

Terminal Products

Professional Series DMR Tier III

DP995/DP990



CE FC MIL-STD 810G IP68

- Analog, DMR Tier II, DMR Tier III Trunking Mode, MPT Trunking Mode.
- Dedicate SOS button, Lone Worker, Man-down.
- Secure Communications with ARC4, DES and AES Encryption.
- 1.8 full color display.
- GPS Positioning.
- Bluetooth.
- Single Frequency Repeater Mode.

TM840/TM840B



CE FC MIL-STD 810G IP54

- 136-174/400-470/350-400MHz.
- RF Output: 25W/45W.
- Reliable Quality: IP54&MIL810C/D/E/F/G.
- Single Frequency Repeater Mode.
- Analog, DMR Tier II, DMR Tier III Trunking Mode, MPT Trunking Mode.
- 26 Pins External Ports and Optional Board for Secondary Development.
- Secured Data and service: ARC4, DES, AES.
- GPS, Bluetooth.

Application Industries



Major Event



Transportation



Airport



Public Safety



Port



Electric Power

Application Industries



Transportation



Airport



Public Safety



Electric Power



Forestry

DP810/DP815



CE FC MIL-STD 810G IP68

- Analog, DMR Tier II, DMR Tier III Mode, MPT Trunking Mode.
- Redundancy with Separated component PCB design.
- Silicone Encapsulating.
- Electrostatic free Design.
- Secured Data and service:ARC4, DES, AES.
- Bluetooth.
- Guide rail battery installation spark.

DP680/DP685



CE FC MIL-STD 810G IP67

- Robust and Stylish.
- Clear and Loud Voice.
- Easy to Operate.
- Multi-Mode Operation.
- Secure Communication.
- Long Battery Life.
- Enhanced Safety.
- Multimedia Service.
- Enhanced Service.

Application Industries



Coal Mine



Chemical Plant



Army

Application Industries



Major Event



Transportation



Airport



Public Safety



Port



Electric Power

MAIN SPECIFICATIONS

Model	Frequency Range	Channel Capacity	Battery Capacity	Working Time	Size	Weight	Power Output	IP Level
DP995	136-174MHz 400-480MHz	1024	2000mAh 2500mAh	Analog: 13hrs Digital: 15hrs	132×56.5×38mm	371g	VHF: 1-5W UHF: 1-4W	IP68
DP990	136-174MHz 400-480MHz	1024	2000mAh 2500mAh	Analog: 13hrs Digital: 15hrs	132×56.6×38mm	371g	VHF: 1-5W UHF: 1-4W	IP68
DP810	136-174MHz 400-470MHz 350-400MHz 400-470MHz	1024	2150mAh	Analog: 16hrs Digital: 19hrs	157.5×56×41.4mm	500g	≤1.8W	IP68
DP815	136-174MHz 350-400MHz 400-470MHz	1024	2100mAh	Analog: 16hrs Digital: 19hrs	157.5×56×41.4mm	500g	≤1.8W	IP68
TM840	136-174MHz 350-400MHz 400-470MHz	1024	DC: 13.6V	/	176×59×183mm	1.38kg	Low: 25W High: 40W	IP54
TM840B	136-174MHz 350-400MHz 400-470MHz	1024	AC: 220V	/	300×230×185mm	5.9kg	Low: 25W High: UHF: 40W VHF: 45W	/
DP680	400-470MHz	1024	2000mAh	Analog: 13.5hrs Digital: 15.5hrs	123×55×33mm	353g	UHF: 1-4W	IP67
DP685	400-470MHz	1024	2000mAh	Analog: 13.5hrs Digital: 15.5hrs	123×55×33mm	353g	UHF: 1-4W	IP67



DR600



nMesh100



nMesh500



DS6000 MBS



KYD-Series



nMesh1000



DR700

Infrastructure Products

DMR Single Frequency Repeater

DR700



BRIEF INTRODUCTION

When extended two-way radio coverage is required, adding base stations is one option—but it often demands higher budgets and additional frequencies. The DR700 offers a smarter alternative.

Operating on a single frequency, the DR700 efficiently extends DMO coverage. Its compact, lightweight design allows flexible installation anywhere, and it can even be easily carried in a backpack to move with your mobile team.

MAIN FEATURES

- Support Analog Conventional & Digital Conventional and Trunking Modes.
- US MIL-STD-810 C/D/E/F/G.
- 1024 Channels.
- Single-Frequency Repeater in Digital Mode.
- Multi-site Roaming.
- Quick Deployment for Extended Communication Range.
- GPS Location.
- MPT 1327 & DMR Tier III Compatible (Optional).

MAIN SPECIFICATIONS

Frequency Range	136-174MHz, 350-400MHz, 400-470MHz
Channel Capacity	1024
Channel Spacing	12.5kHz/20kHz/25kHz
Operating Voltage	13.6V DC ± 15%
Battery	13.4Ah

RF Power Output	10W
Rated Audio Power Output	3W
Dimensions (HxWxD)	170x243x75mm
Weight (with standard battery)	About 3.2kg (13.4Ah)
Dust & Water Protection	IP67 Standard

MAIN ACCESSORIES

Model	Photo	Description
RF Antenna		136-174MHz, S16 connector
GPS Antenna		GPS antenna, 5M cable, SMA
AC Power Cable		250V, 10A, SJTW 18/3C, 1.5m long, UL certified
Charger		Input: 110-240V, output: DC 12V

Model	Photo	Description
KB-DR700		Battery, 14.4V, 13.4Ah Li-ion, with sticker and packing box
Backpack		English package, black, for DR700 backpack single frequency repeater
KME-225		Remote Speaker Microphone with Keypad IP54
KSPL-U21		USB Programming Cable

Infrastructure Products

DMR Ad-hoc Drone-mounted Repeater

nMesh100



BRIEF INTRODUCTION

The nMesh100 repeater focuses on solving communication obstacles such as complex rescue site environments and long distances. It adopts a lightweight design and can be deployed on drones, unmanned vehicles, unmanned boats, rescue robot and other types of equipment to solve the problem of communication blind spots where personnel cannot reach due to various complex environments.

MAIN FEATURES

- **Ultralight Design**

It weights only 1.75Kg with antenna, which can meet the mounting requirements of various small and medium-sized drones or unmanned vehicles.

- **One-button Start, Easy Maintenance**

It adopts independent mechanical buttons for quick power on and off operations. It supports frequency presets or firmware updates via Type-C.

- **Clearly Operating Status Indicator**

There are 4 indicator lights on the side of nMesh100 to intuitively display the networking status and operating status.

- **Multiple Dynamic Networking Methods**

Multiple nMesh100s, nMesh500s, nMesh1000s can automatically address each other when powered on, realizing centerless networking and immediate use, supporting chain, star, mesh and hybrid networking.

- **GPS Positioning**

The nMesh100 supports GPS positioning. You can view the location information of the entire device by entering the management software interface through the Type-C port.

- **Adjustable Transmit Power**

Supports 25W adjustable power in 1W steps.

MAIN SPECIFICATIONS

Frequency Range	350-400MHz, 400-470MHz
Channel Capacity	16
Channel Spacing	12.5kHz/20kHz/25kHz
Operating Voltage	18-36V DC
Battery	6700mAh (optional)
RF Power Output	25W (adjustable)

Operating Temperature	-30°C to +60°C
Dimensions (HxWxD)	185X140X81mm (with battery)
Weight	2.3kg (with battery)
Dust & Water Protection	IP67
Encryption	ARC40, DES64, AES256
Indicator Lights	4-digit three-color light

Infrastructure Products

DMR Ad-hoc Backpack Repeater

nMesh500



BRIEF INTRODUCTION

Kirisun nMesh500 is a highly integrated DMR ad-hoc backpack repeater, which uses wireless interconnection technology to quickly build a multi-node narrowband network through cascading. It is mainly used in various fast deployment scenarios such as natural disasters, tunnel communications, public safety, and forestry management etc..

MAIN FEATURES

- Fast Deploy.
- Up to 32-nodes Networking.
- WiFi Wireless Programming.
- IP68 Protection Level.
- 2.4-inch High-definition Screen.
- Long Lasting and Removable Battery Design.
- Rich Expansion Interfaces.
- Built-in 4G, GPS Module.

MAIN SPECIFICATIONS

Frequency Range	136-174MHz, 350-400MHz, 400-470MHz
Channel Capacity	16
Channel Spacing	12.5kHz/20 kHz/25 kHz
Operating Voltage	13.6V DC ± 15%
Battery	16Ah

RF Power Output	50W (Adjustable)
Operating Temperature	-30°C to +60°C
Dimensions (HxWxL)	325.5x244x78mm
Weight (with standard battery)	4.5kg (16 Ah)
Dust & Water Protection	IP68
Encryption	ARC-40, DES-64, AES-256

MAIN ACCESSORIES

Model	Photo	Description
Power Supply		S16 connector
Power Cable		GPS antenna, 5M cable, SMA

Model	Photo	Description
Hand Microphone		250V, 10A, SJTW 18/3C, 1.5m long, UL certified
Antenna		Input: 110-240V, output: DC 12V

Infrastructure Products

DMR Ad-hoc Fixed Repeater

nMesh1000



BRIEF INTRODUCTION

Kirisun nMesh1000 is a DMR ad-hoc fixed repeater, which is designed to provide safe and reliable communications for places lacking network infrastructure, such as urban area, wildland, sea, and forest. It adopts wireless interconnection technology to quickly build a multi-node narrowband network through cascading.

MAIN FEATURES

- **Automatic Networking**

The nMesh1000 supports up to 32 repeaters to automatically interconnect. In this ad-hoc network, the failure of any repeater will not affect network operation.

- **Flexible Deployment**

It can be fast installed on poles, walls, vehicles, ships or drones without relying on pre-existing infrastructure such as equipment rooms, saving installation time and costs.

- **Highly Compatible**

It is fully compatible with Kirisun or third-party DMR Tier II radios.

- **Built-in 4G Module**

It has a built-in 4G module to ensure that when there is 4G network signal coverage, it can form a stable network with other repeaters or control centers without geographical restrictions.

- **Wireless Programming**

It can be programmed by a network management system via Wi-Fi network, which eliminates the hassle of programming via cables and minimizes downtime on site.

- **Rich Power Supplies**

It can be powered by batteries, solar energy, wind energy, or mains electricity to meet the needs of various scenarios.

MAIN SPECIFICATIONS

Frequency Range	350-400MHz, 400-470MHz
Channel Capacity	16
Channel Spacing	12.5kHz/20kHz/25kHz
Operating Voltage	10-17VDC
RF Power Output	50W (Adjustable)

Storage Temperature	-40°C to +85°C
Operating Temperature	-30°C to +60°C
Dimensions (HxWxD)	330x223x91.5mm
Weight	5kg
Dust & Water Protection	IP67
Encryption	ARC-40, DES-64, AES-256

Infrastructure Products

Portable Charging Case

KYD-Series



BRIEF INTRODUCTION

The Portable Radio Charging Case is an essential companion for keeping your radios powered. It provides emergency power when needed, ensuring uninterrupted on-site operations.

Featuring a compact, well-designed build, the case integrates a high-capacity battery with fast charging performance. Safe, convenient, and portable, it's the perfect solution for mission-critical tasks.

Applicable Models: DP9 Series.

MAIN FEATURES

- **Multi-unit Charging**

It supports rapid charging of 8 radios or 8 batteries at the same time, saving charging space and power supply.

- **Multiple Charging Modes**

Multiple charging interface modes, supporting DC, USB, 220V power supply, solar charging, On board charging, etc.

- **LCD Display**

Intelligent LCD display, which can view the input/output electric power and electricity percentage information in real time.

- **Large Capacity Battery**

Built in 65Ah large capacity battery, which can charge the battery/radio in real time in case of interruption of power supply.

- **Fan Cooling Design**

Built in fan cooling design can avoid temperature rise caused by long-time operation.

- **Clearer Device Status**

The charging case can quickly check the charging status, such as battery voltage, charging current, battery capacity, charging time, input voltage, temperature, etc.

- **Charging Protection**

Intelligent charging protection, for example, charging time, short circuit, battery abnormality, maximum charging voltage, etc.

- **Easy to Use**

The portable charging case is easy to place, transport, carry and store.

- **Rugged & Reliable**

It also has the features of impact resistance, high and low temperature resistance, shock absorption, dust-proof and waterproof.

Infrastructure Products

DMR Repeater

DR600



BRIEF INTRODUCTION

As a DMR repeater product with standard extensible design, all-digital functionality, the DR600 helps to improve management efficiency and a faster response in emergency situations.

MAIN FEATURES

- Professional 1U Design.
- Dual Mode (Analog & Digital) and Mixed Mode.
- 64 Channels.
- 100% Continuous Duty Cycle.
- Outstanding Heat Dissipation.
- AIS / SIP Interface.
- LED Indicator.
- Built-in Power Supply.
- IP Site Connect (Optional).
- Third Party Application.

MAIN SPECIFICATIONS

Frequency Range	136-174MHz, 350-400MHz, 400-470MHz
Channel Capacity	64
Channel Spacing	12.5kHz/20kHz/25kHz
Operating Voltage	13.6V DC±15%, 100 to 250V AC
RF Power Output	High: 40W (UHF)/45W (VHF)

Rated Audio Power Output	0.5W
Dimensions (HxWxD)	482.6x450x44mm
Weight	About 11.2kg
Duty Cycle	100%

MAIN ACCESSORIES

Model	Photo	Description
DC Power Cable		Power supply cable for mobile radio, 5 meters
AC Power Cable		250V, 10A, SJTW 18/3C, 1.5m long, UL certified

Model	Photo	Description
Duplexer		Freq. Range: 137-180MHz & 400-470MHz, Tx/Rx Spacing: 3.8-15MHz, Bandwidth: ±100kHz, ≤50W.
KSPL-U22		Programming cable, RJ45 network cable, 2M

Infrastructure Products

DMR Trunking Mobile Base Station

DS6000 MBS



BRIEF INTRODUCTION

The Mobile Base Station DS6000 MBS is a 2-carrier system housed in a compact mobile cabinet with a draw bar for easy mobility. Each unit integrates 2-carrier, combiner, divider, duplexer, and antenna, offering a complete and portable solution.

Built on an all-IP network architecture, the system can include multiple base stations, a central node switch, network management software (NMS), and dispatching software. It supports a wide range of voice and data services, robust terminal management, and real-time dispatching.

With its flexible networking, cost efficiency, and high performance, the Mobile Base Station is ideal for medium- and small-scale applications. It serves diverse industries such as military, firefighting, prisons, public utilities, and public safety, ensuring reliable communication for both daily operations and emergency response.

MAIN FEATURES

- Doubling of capacity in existing licensed channels.
- Reliable Encryption.
- Versatile Dispatch Functions.
- Interoperability.
- Superior Audio Performance.
- Ease of use and creation of data applications.
- Large-cell Coverage.

MAIN SPECIFICATIONS

Internal Dimensions (HxWxD)	455x483x365mm
External Dimensions (HxWxD)	615x585x435mm
Rack Size	8U

Operating Temperature	-30°C to +60°C
Weight	About 14.6kg
Cover Thickness	40mm
Dust & Water Protection	IP67

COMPONENTS



Items	Description
Switch	Connect the transceivers in one or more cabinets.
Transceiver	Receive, transmit and process data.
Divider	It divides RF signals carried by different carriers.
Duplexer	It supports multiple TX/RX signals to share the same antenna.
Combiner	It combines RF signals carried by different carriers.



DS5000



DS5800



KiONE



KiNet



DS6000

System Products

Lite Version Dispatching System

DS5000

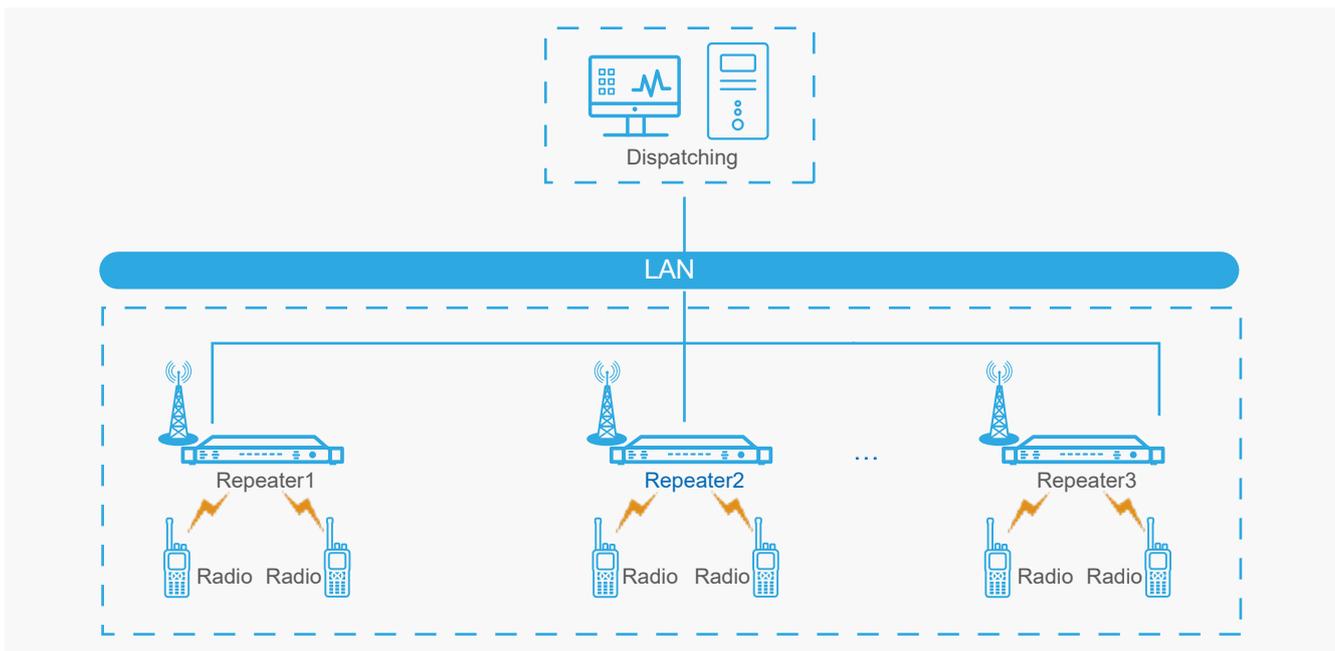


BRIEF INTRODUCTION

The DS5000 delivers full-featured dispatch control for single or multi-site systems, supporting both voice and data services on Kirisun DMR radio networks.

With the Kirisun dispatcher software, operators can monitor real-time calls and user locations, record and review communications, and manage radios remotely. From the control center, they can check radio status, monitor activity, and even disable lost devices, ensuring secure and efficient operations.

NETWORK DIAGRAM



RUNTIME ENVIRONMENT

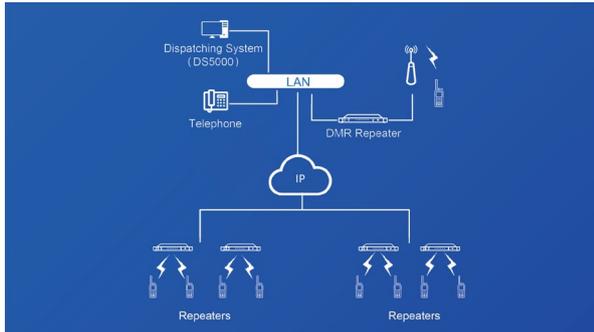
Operating System	Win7 and above
CPU Main Frequency	2.0GHz and above
Ram	2.0G
Hard Space	1G and above
Discrete Graphics	1G and above

Display Resolution(min)	1920×1080
Database	Mysql-installer-community-5.7.12.0.msi
Other Hardware Requirements	Sound card, speaker, microphone
Others	Microsoft .NET Framework 4.5

MAIN FEATURES

• Simple and Easy Deployment

DS5000 utilizes a simple topological structure based on repeater IP connection system. No independent server is required. Simple and easy to deploy, it meets your basic dispatcher function requirements.



• Voice Recording

All the voice calls in the IP site connected system are recorded. All the records can be reviewed for the events that have taken place.



• GPS Management

Dispatch system shows the real-time position of terminals on the map, and all the history GPS record are recorded for you to play back any time you want it.



• Voice & Data Dispatcher and Signaling Control

It supports Private Call/Group Call/All Call/Emergency Call/Message between dispatchers and terminals. You can instantly Stun or Revive any radio on your network directly from the dispatcher software. If the radio is stolen or compromised, you kill and disable the radio completely.



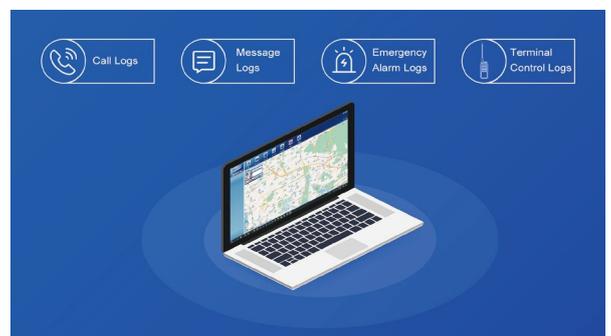
• Geofencing

The working regions for a predefined set of radios can be the defined regions on the map. Once the geofencing rule is infringed by any of the radios, a geofencing alarm will be activated at the dispatcher and an alert will be sent to the subscriber unit.



• Log Management

It supports call logs, message logs, emergency alarm logs, terminal control logs. The logs can be exported.



System Products

Multi-client Dispatching System

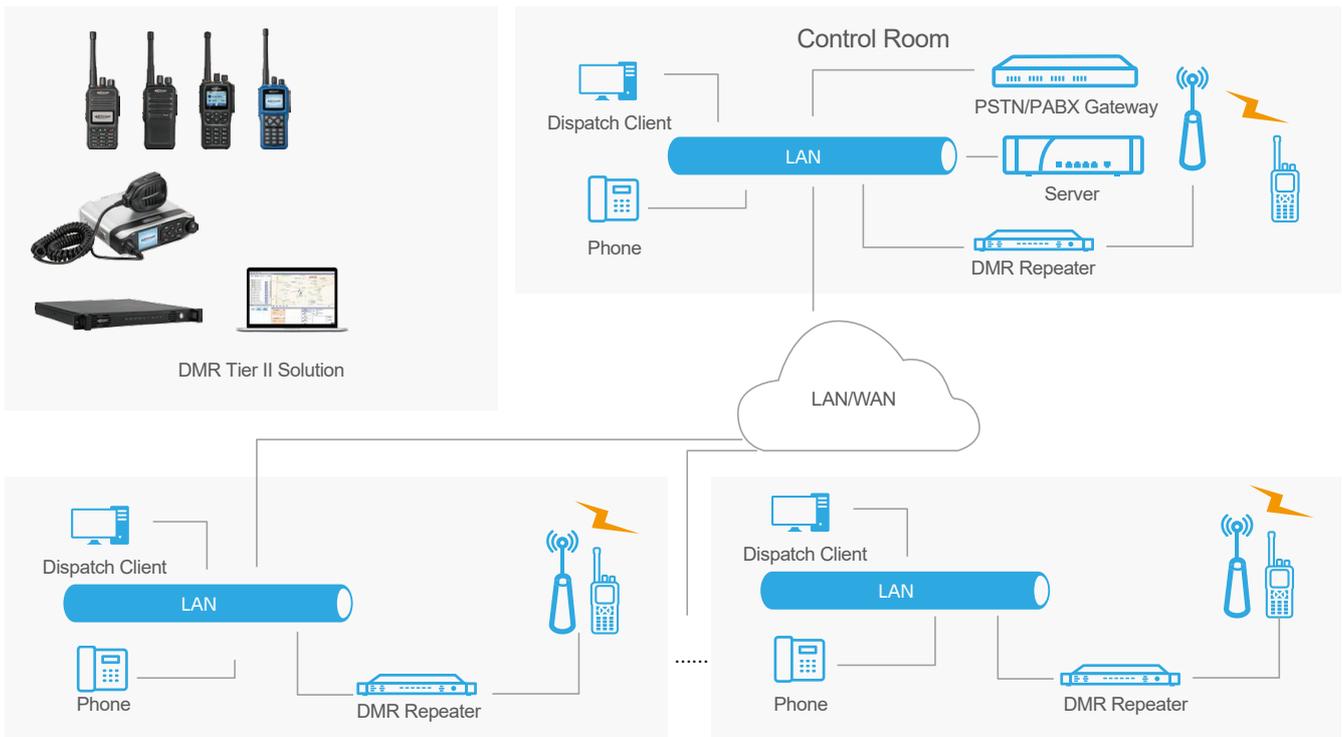
DS5800



BRIEF INTRODUCTION

For enhanced workforce productivity and operation efficiency, better response to emergencies, and quick check of history logs, a secure, reliable, and efficient dispatching system is needed. Integrated with Kirisun DMR repeaters and terminals, Kirisun DS5800 dispatch system provides versatile features, including call monitoring, quick SMS in emergencies, real time positioning, recording and review. With wide-area networking design, the software can be operated over Internet by multiple dispatchers located in different places.

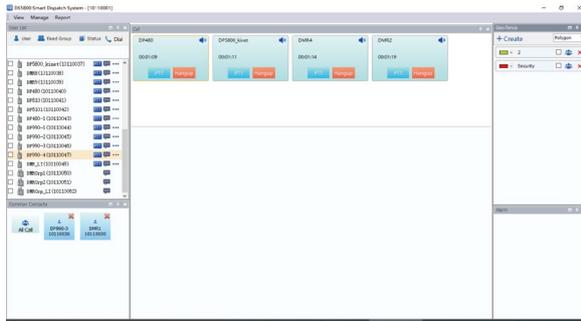
NETWORK DIAGRAM



MAIN FEATURES

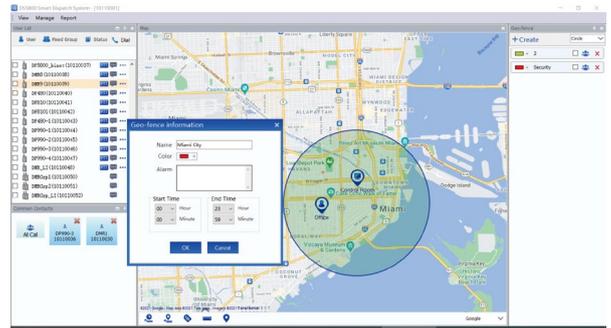
Voice Dispatching

Dispatch system can initiate private call, group call and all call with terminals, and initiate full-duplex call with other dispatchers or SIP phones.



Geo-fencing

Dispatch system support to create different shapes and colors Geo-fencing, and set “enter” or “go out” alarm for terminals.



Short Text Message

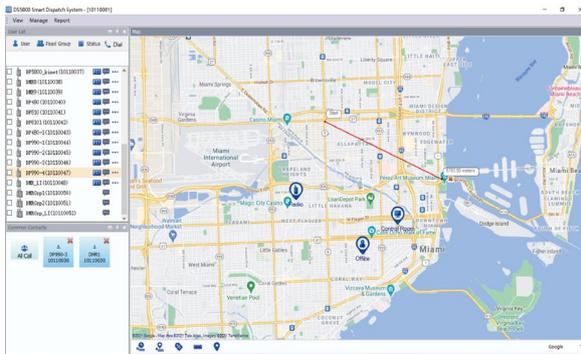
Dispatch system support to preset 20 text messages as quick templates. It's more convenient and quick for dispatcher to send notification or tasks.

Online/Offline Status

Dispatch system support to display the online/offline status of dispatcher, repeaters or terminals.

Map Service

Rich map service: terminal positioning, ranging, important position mark.



Emergency Alarm

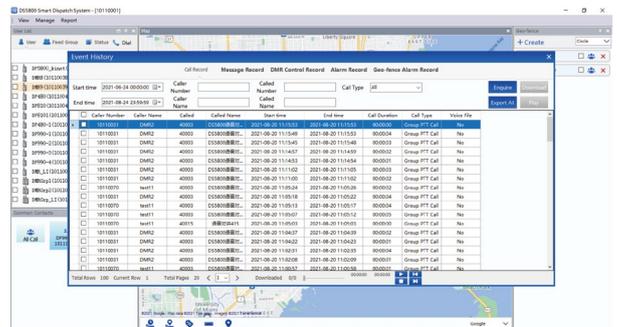
When an emergency is activated by a terminal, the dispatch system display an alarm window and can deal with it. All the emergency alarm will be recorded.

Voice Record

All the voice call will be recorded in the server, and the dispatch system can play back the voice record or download to local disk.

Event Records and Reports

Including call logs, message logs, emergency alarm logs, terminal control logs. The logs can be exported as report.



Real-time track and play back

Dispatch system can show the real-time position of terminal on the map, and all the history GPS record will be recorded for you to play back any time.

Terminal Remote Control

Dispatch system support to remote control terminals, such as radio check, stun, revive, remote monitoring. These service can enhance your management and control on your workers.

System Products

Convergence Dispatching System

KiONE



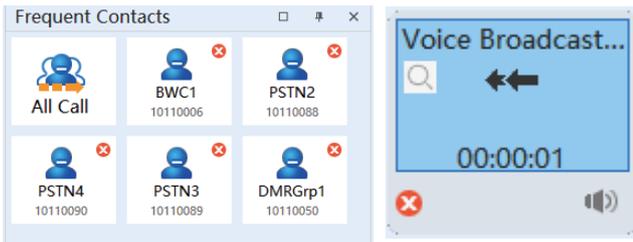
BRIEF INTRODUCTION

The Kirisun KiONE unified dispatcher incorporates a client/server architecture, with support for multi-dispatching clients, flexible IP interconnection, and multi-level client management. It enables mission-critical multimedia communication and seamless interconnection with legacy PMR, IPPBX, and PTTtoC systems. Serving industries such as public safety, energy, railway, power grid, and transportation, Kirisun KiONE delivers voice, video, data, and multimedia dispatching services to meet diverse operational needs.

MAIN FEATURES

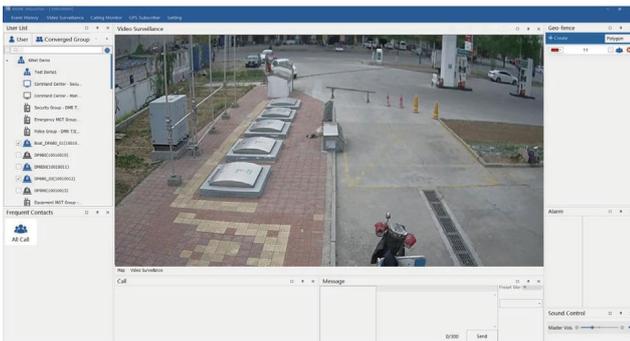
- Multiple Voice Dispatching Types

It provides effective and flexible voice communication types for your workers, including Private Call, Group Call, All Call, Broadcast Call, etc..



- Video Dispatch

The dispatch can initiate video call, video pull, video push, and video transfer.



- Recording and Log

All the voice/video calls are recorded in the server for checking and playback. All the logs of calls, message, emergency, and terminal control can be exported as reports.

Start time	End time	Caller Number	Called Number	Called Name	Start time	End time	Call Duration	Call Type	Voice File
2022-05-10 10:00:00	2022-05-10 23:59:59								
2022-05-10 10:00:00	2022-05-10 11:07:40	40003	050800 Tak Group	050800	2022-05-10 11:07:40	2022-05-10 11:07:52	00:00:04	Function Group Call	Yes
2022-05-10 10:00:00	2022-05-10 10:56:43	40003	050800 Tak Group	050800	2022-05-10 10:56:43	2022-05-10 10:56:56	00:00:04	Function Group Call	Yes
2022-05-10 10:00:00	2022-05-10 11:04:43	10110032	04863	04863	2022-05-10 11:04:43	2022-05-10 11:05:18	00:00:15	Individual PTT Call	Yes
2022-05-10 10:00:00	2022-05-10 11:04:33	10110032	04863	04863	2022-05-10 11:04:33	2022-05-10 11:04:55	00:00:02	Individual PTT Call	Yes
2022-05-10 10:00:00	2022-05-10 11:00:29	40020	40020	40020	2022-05-10 11:00:29	2022-05-10 11:00:31	00:00:02	Function Group Call	Yes
2022-05-10 10:00:00	2022-05-10 11:00:10	30004	30004	30004	2022-05-10 11:00:10	2022-05-10 11:03:33	00:03:23	Unknown Type	Yes
2022-05-10 10:00:00	2022-05-10 10:59:55	10002	Secconferencing	10002	2022-05-10 10:59:55	2022-05-10 11:03:32	00:03:37	Unknown Type	Yes
2022-05-10 10:00:00	2022-05-10 10:59:39	40003	050800 Tak Group	050800	2022-05-10 10:59:39	2022-05-10 10:59:44	00:00:05	Function Group Call	Yes
2022-05-10 10:00:00	2022-05-10 10:59:09	10110051	DMRGrp2	DMRGrp2	2022-05-10 10:59:09	2022-05-10 10:59:17	00:00:08	Group PTT Call	Yes
2022-05-10 10:00:00	2022-05-10 10:58:02	10110050	DMRGrp1	DMRGrp1	2022-05-10 10:58:02	2022-05-10 10:58:02	00:00:00	Group PTT Call	Yes
2022-05-10 10:00:00	2022-05-10 10:57:16	10110076	10110076	10110076	2022-05-10 10:57:16	2022-05-10 10:57:16	00:00:02	Individual PTT Call	Yes
2022-05-10 10:00:00	2022-05-10 10:57:10	10110076	10110076	10110076	2022-05-10 10:57:10	2022-05-10 10:57:12	00:00:02	Individual PTT Call	Yes
2022-05-10 10:00:00	2022-05-10 10:56:50	44514334	44514334	44514334	2022-05-10 10:56:50	2022-05-10 10:56:51	00:00:01	Mixed Call	No
2022-05-10 10:00:00	2022-05-10 10:54:40	40003	050800 Tak Group	050800	2022-05-10 10:54:40	2022-05-10 10:54:43	00:00:03	Function Group Call	Yes
2022-05-10 10:00:00	2022-05-10 10:54:14	10110049	050800 Tak Group	050800	2022-05-10 10:54:14	2022-05-10 10:54:16	00:00:02	Function Group Call	Yes
2022-05-10 10:00:00	2022-05-10 10:54:07	10110049	050800 Tak Group	050800	2022-05-10 10:54:07	2022-05-10 10:54:12	00:00:05	Function Group Call	Yes

- Highly Expandable

The KiONE is compatible with SIP protocol, which support to interconnect with SIP phone or PSTN gateway, and can be connected to third-party video surveillance system.

- GPS and Geo-fencing

The KiONE's dispatcher shows the real-time position of terminals on the map, and all the history GPS record is recorded for you to play back any time. It supports creating different shapes and colors of Geo-fencing and setting "enter" or "leave" alarm for terminals.

ADVANTAGES

- **All Calls in One Platform**

It supports group calls among multiple types of PTT terminals, including DMR two-way radio, PTTtoC radio, Body Worn Camera, and mobile phone and meets the command and dispatch requirement for major sports events or large-scale assembly security, daily patrols and other scenarios.

- **One-click Call**

The dispatcher has convenient fixed telephone number management and the commander can quickly query the telephone number of the relevant personnel. Make the call simply with one click, no need to dial the telephone number manually.

- **One-key Video Alarm**

When the patrolman starts alarm, the body worn camera sends real-time voice, video and location information to the dispatcher. The commander can see what's happening and make decision accordingly.

- **Video-assisted Decision Making**

When the patrolman starts the PTT/PTToC terminal alarm, the commander can select the network cameras near the alarm location in the GIS System and displays the video of the network camera on the dispatcher. The commander can see what's happening and make decision accordingly.

- **Map-based Dispatching and Management**

It supports voice conference, video conference, live video, voice broadcast and voice communication for a temporary group set up by selecting an area on the map. The geo-fencing feature sets a movement area for officers and it automatically sends exit / entrance alarm. Movement track playback is supported.

- **Organization-Based Permission Management**

It supports organization-based roles setting. Different roles have different permissions, as well as intradepartment and inter-department dispatching.

RUNTIME ENVIRONMENT

System Capacity(Suggestion)

Repeater	64
CPU Main Frequency	2000
Dispatch Client	64

Dispatcher Client PC Requirements

Operating System	Windows 7,Windows 10
Software Environment	.net framework 4.5
Memory	28G
Disk	≥1T

Dispatcher Server Requirements

Operating System	CentOS 7.6
Memory	≥16G
Disk	≥1T

Network Bandwidth

300 kbps per repeater or dispatcher

System Products

Multimedia Communication Platform

KiNet



BRIEF INTRODUCTION

In order to improve the work efficiency and operational efficiency of employees, better respond to emergencies, and quickly view historical records, a safe, reliable, and efficient dispatch system is needed. The KiNet platform integrates with various private and public networks through wired and wireless gateways, and supports interconnection between networks of different standards and manufacturers. It is a wise choice for daily command and dispatch, emergency command and dispatch, and security protection of major events.

MAIN FEATURES

• Multi-system Interconnection

Based on advanced wireless communications, cloud computing, and software switch technologies, the Platform realizes the interconnection between DMR Tier II system, DMR Tier III system, PTTToC system, body-worn camera system, Sip Telephone system and 3rd party IP camera.

• High Reliability

The platform adopts a highly reliable hardware platform and Linux operating system, supports dual hot standby, and has a rich system log function.

• Flexible Deployment

The platform is lightweight and easy to deploy, which saves Capex & Opex. It is also easy to integrate modules and meet the requirements of different industries.

• Open Platform

It supports SIP protocol, which is an international standard, and provides SDK for third-party equipment access.

System Products

Digital Trunking System

DS6000



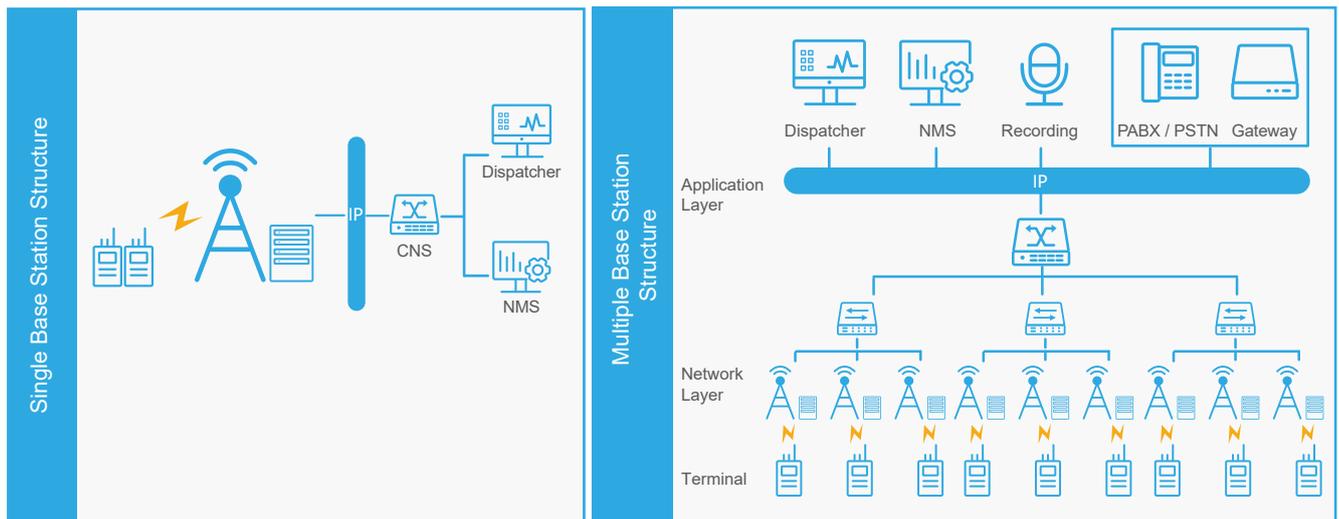
BRIEF INTRODUCTION

The DS6000 DMR Trunking System further decouples call grouping and channel resources to enable multi-channel user sharing—ideal for industries with high call volumes, frequent group adjustments, and demanding performance needs.

Designed for public security, military and police, emergency services, firefighting, energy, chemicals, and rail transit, the DS6000 goes beyond the limits of conventional DMR Tier II systems.

With enhanced capacity, coverage, stability, and security, plus an innovative base station soft controller design, Kirisun delivers one of the industry's most professional and reliable digital trunking solutions.

NETWORK DIAGRAM



MAIN FEATURES

- Dynamic Base Station Assignment.
- End-to-end Encryption of Voice and Data Encryption with 40, 128 or 256 bits.
- High System Reliability.
- Network Management System.
- Dispatching Console.
- Recording Voice from All Terminals Identified by Caller's ID.
- DMR Trunking Terminals.
- Multiple Map Modes.
- Individual Call/Group Call/Broadcast Call.
- Group Call Late Entry/Call Merge.
- Dynamical Group Number Assignment.

COMPONENTS

- **Powerful Digital Trunking System**

The system consists of core modules such as central node switch, system base station, IP network, dispatching system, network management system, recording and terminal.

- **CNS**

Service exchange software between base stations and between base stations and dispatching, network management, PABX/PSTN.

- **Base Station**

It consists of a transceiver, a combiner, a divider, a duplexer, and an antenna feeder system.

- **IP Network**

Router and Switch.

- **NMS**

The network management software includes functions such as topology structure, state management, configuration management, service management, operation and maintenance management, and system management.

- **Dispatch**

1. Support various voice calls between the dispatcher and the terminal, and send text/status messages to each other
2. Subscriber management function
3. GIS
4. Log recording and post query functions for group call, private call, SMS, remote kill, remote stun, and other functions

- **Recording**

The system can record the recording content and call information of all terminals, and identify the calling and called identity information through the file name.

SCENARIO

The DMR trunking system can be used for daily communication, emergency communication, command and dispatch in the military, army, civil air defense, forest fire prevention, fishery, port and other industries.

MAIN SPECIFICATIONS

Model	KDT Lite	KDT Pro
Frequency Range	136-174MHz, 350-400MHz, 400-470MHz	136-174MHz, 350-400MHz, 400-470MHz
RF Power Output	1 to 50W	1 to 50W
Operating Temperature	-30°C to +60°C	-30°C to +60°C
Max. Sites	16	256
Max. Center Node Switch	16	32
Max. Carriers	8	24
Dispatching Client Capacity	16	128
Call Setup Time	<300ms	<300ms
User Capacity	9600	100000

Solutions Segment

DMR Solutions Overview

Conventional & Trunking

BRIEF INTRODUCTION

Wireless private network refers to a professional network that provides secure and reliable wireless communication services for specific departments or groups (such as government affairs and public safety industries). It is mainly used in emergency communications, command and dispatch and daily work communication of government public security departments, public utilities, and commercial enterprises, and plays an important role in ensuring national security, maintaining social stability, and improving the work efficiency and service level of enterprises and institutions.



Public Safety

- Emergency communication for emergencies
- Safety assurance of major tasks
- Daily command and dispatch

Applicable Industries: Military, Public Security, Emergency, Fire Protection, Justice, Urban management, Prison

Public Utilities

- Ensure the safety and stability of production and operation
- Improve production efficiency

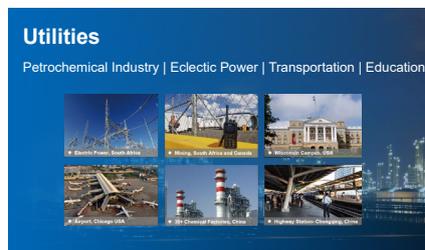
Applicable Industries: Petrochemical, Water Conservancy, Electric Power, Forestry, Mining, Port, Subway, Airport

Industry and Commerce

- Improve the efficiency of production organization
- Improve service level
- Enrich the communication experience

Applicable Industries: Security, Construction, Exhibition, Manufacturing, Supermarket, Sports, Hotel, Property

The product range of Kirisun DMR solutions covers handheld radios, mobile radios, fixed stations, repeater, IP interconnection systems, DMR Tier III trunking systems, and Ad-hoc networks. In the PMR market, with technological innovation as the core strength, the serialized and scenario-based and customized professional converged communication solutions provided by Kirisun has become the leading product solutions trusted by customers and preferred by the industry.



SOLUTION ARCHITECTURE



The Kirisun DMR solutions includes:

- DMR Tier II IP Interconnection Solution
- DMR Tier III Trunking Solution
- DMR Ad-Hoc Repeater Solution

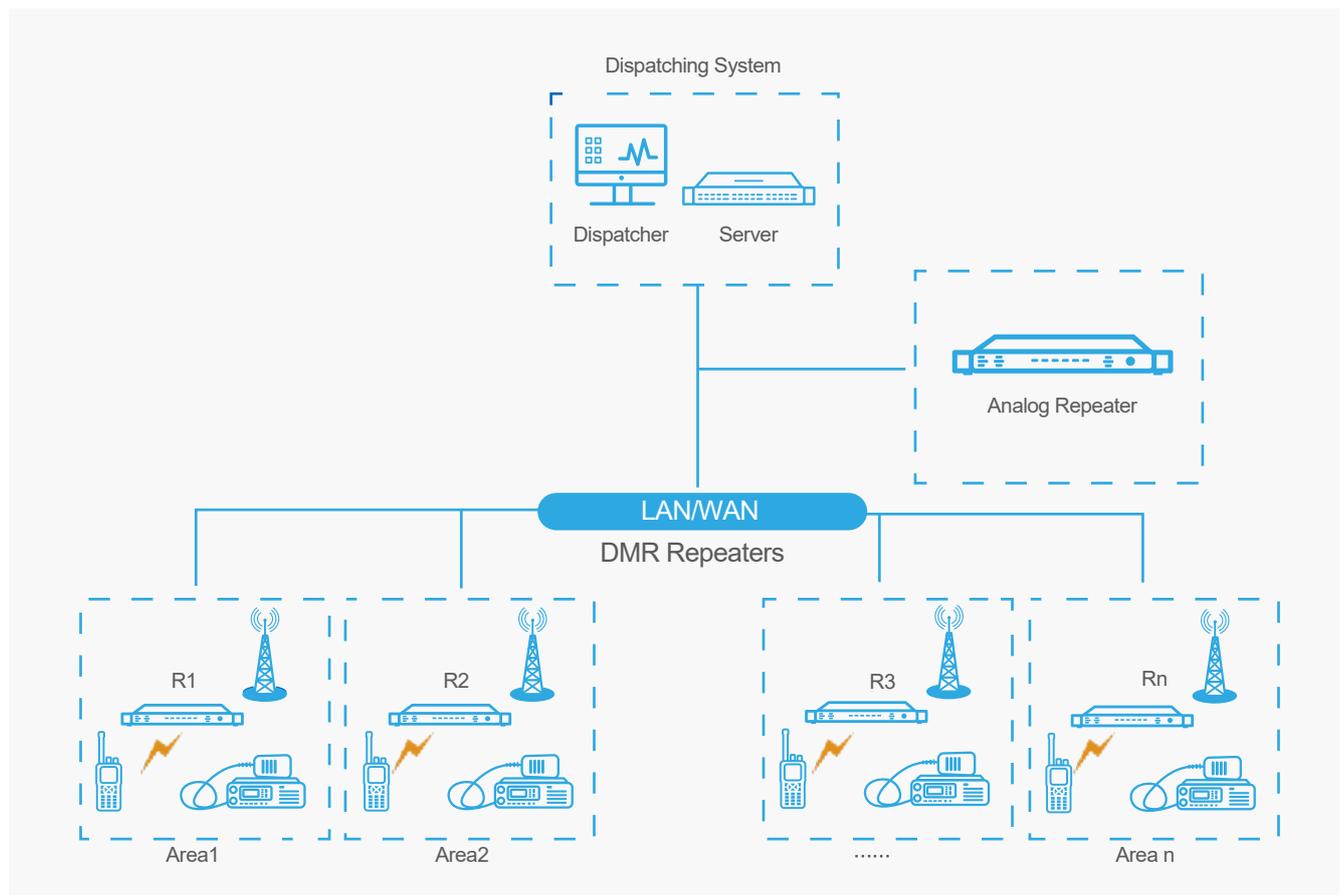
IP INTERCONNECTION SOLUTION



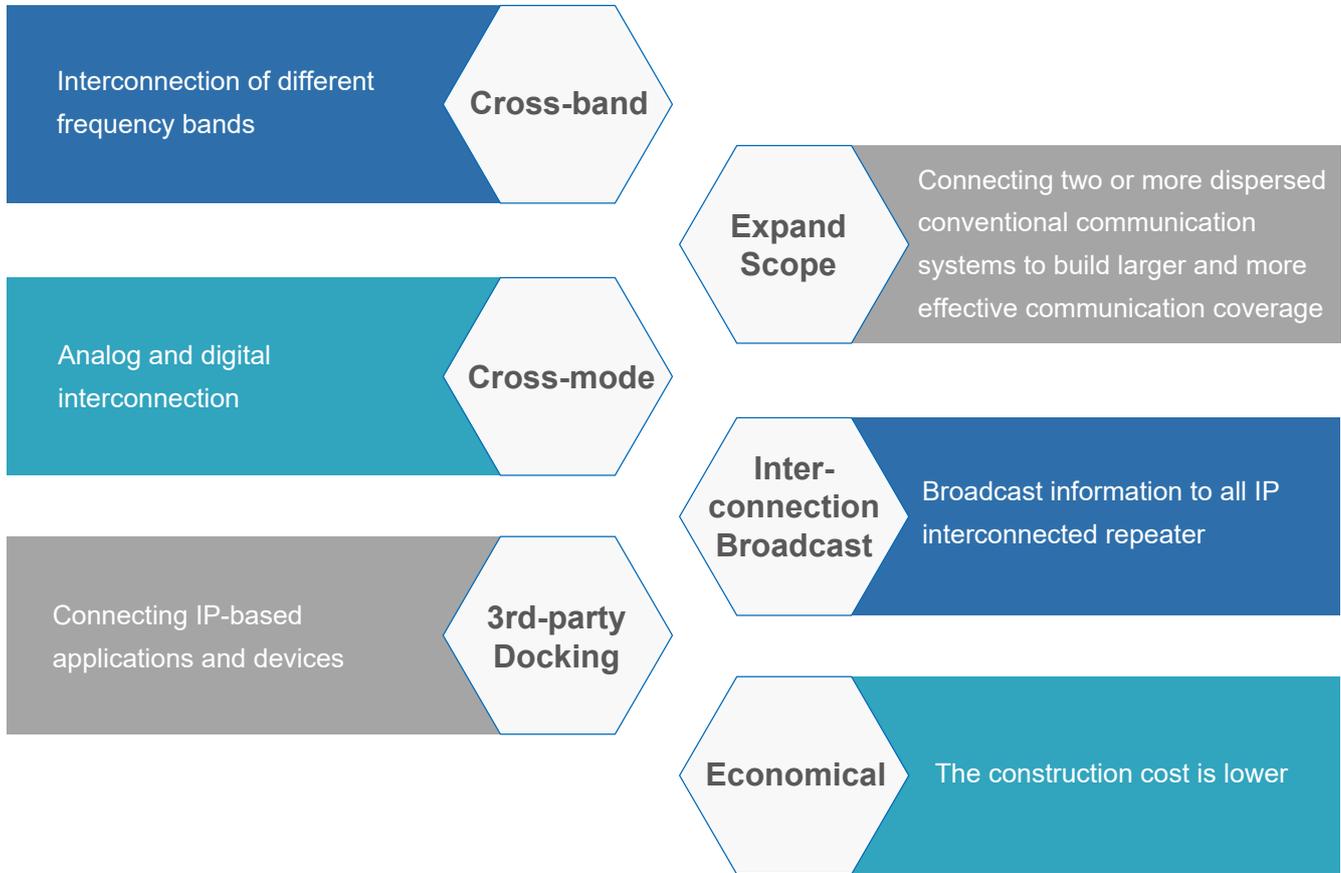
BRIEF INTRODUCTION

The DMR Tier II IP interconnection solution realizes the interconnection and intercommunication between digital conventional repeaters in various regions through the wireless transmission of IP network or DMR mobile radio, to meet the daily dispatch management functions such as voice, SMS, GPS positioning, and recording. The system has low network construction cost, easy maintenance, simple networking method, and wide coverage. It is widely applicable to industry customers with a wide coverage area.

NETWORK DIAGRAM



ADVANTAGES



RELATED PRODUCTS

Dispatcher



Dispatching Client



Desktop Mic

Repeater



DR650



DR600

Terminals



DP480/DP485



DP580/DP585



DP680/DP685



DP990/DP995



DM588



TM840

DIGITAL TRUNKING SOLUTION

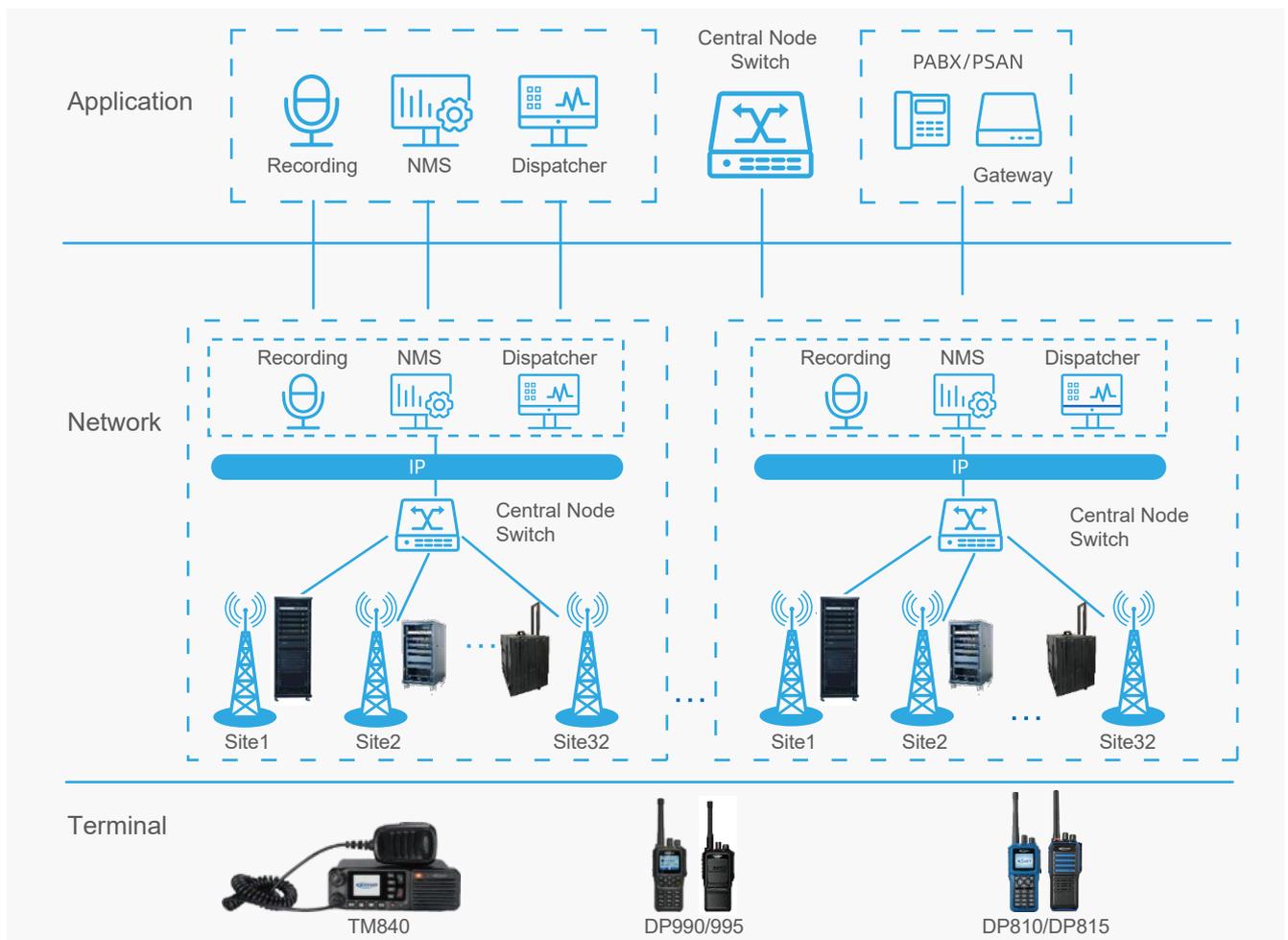


BRIEF INTRODUCTION

The DMR Tier III trunking solution further decouples call grouping and channel resources to achieve multi-channel user sharing. It is preferred by industry users who have a large number of calls and groups, often need temporary adjustment, and have high functional and performance requirements, such as public security, military and police, emergency, fire protection, energy and chemical industry, rail transit etc., while the DMR Tier II conventional system cannot meet their communication needs.

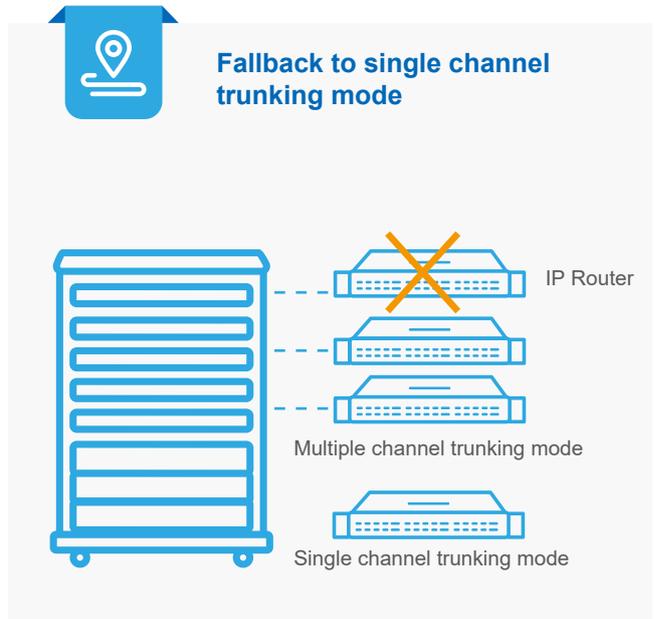
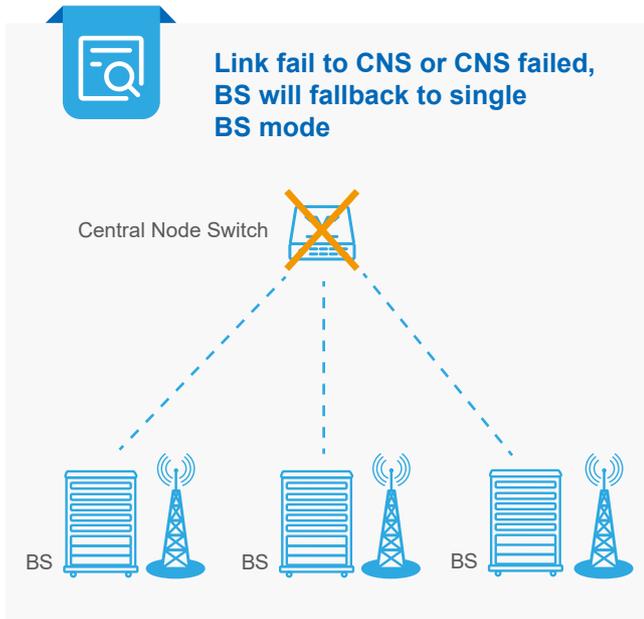
At the same time, the system capacity, signal coverage, system functions, stability, and security have been comprehensively upgraded to better meet the communication and management needs of users in the above mentioned industries. Kirisun adopts the innovative design of base station soft controller to create the industry's most professional standard digital trunking solution for users.

NETWORK DIAGRAM

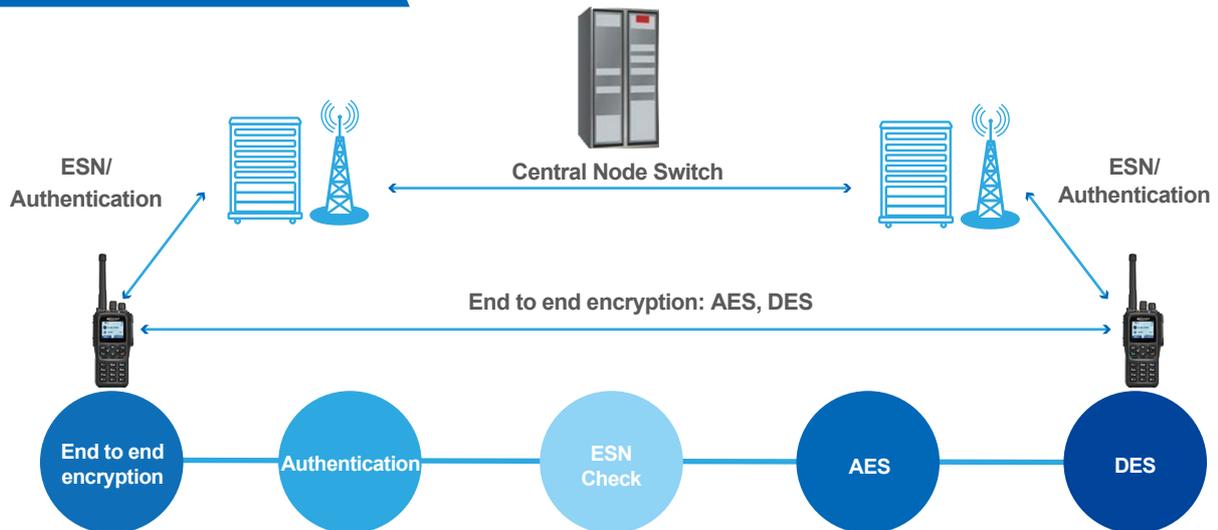


ADVANTAGES

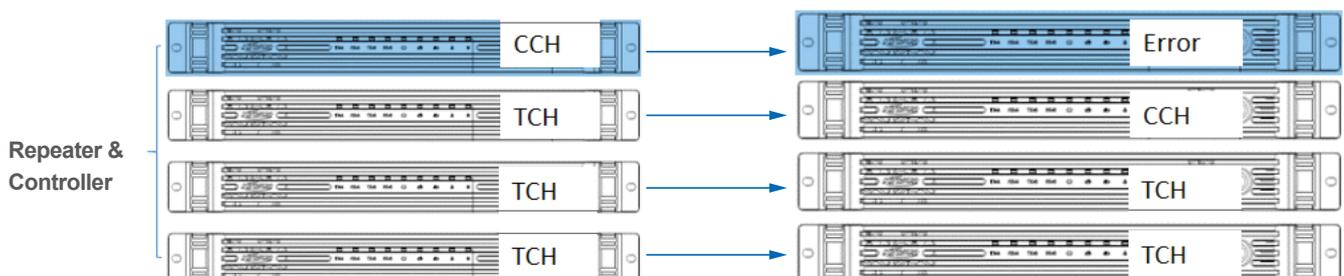
Multi-Level Fault-soft Design



Multi-Level Secure Control

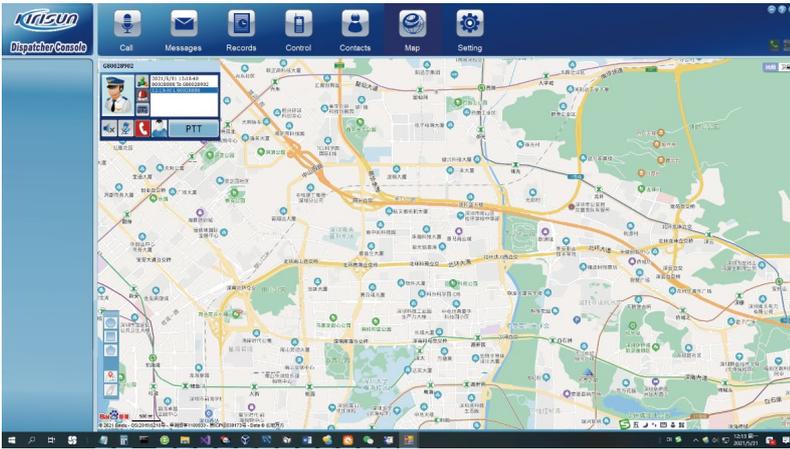


Reliable - Distributed Controller Software Architecture



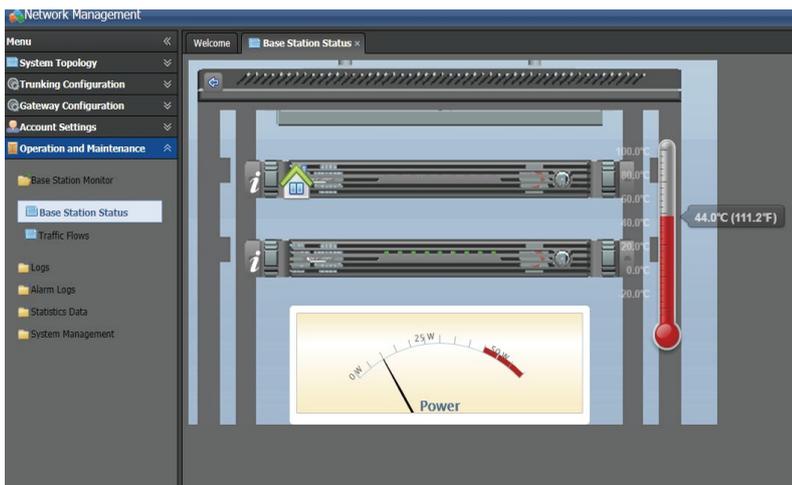
RELATED PRODUCTS

Powerful Dispatch System



- **Voice Service :**
Individual call, Group Call, Emergency call, Broadcast Call, SIP call, Intercom between Dispatcher
- **Data Service :**
Text Message, Status Message
- **Radio Control :**
Kill, Stun, Revive, Radio Check, Remote Monitor
- **Voice Recording :**
Recording and playback, data inquire
- **GIS Function :**
Real time location, history track, Geofence
- **Log Management :**
Call log, Event log and Message log

Efficient Network Management System



- **System Parameter Configuration :**
Base station, Gateway, Central Node Switch, NMS, Dispatcher Server
- **Account Management :**
Subscriber Management, NMS account setup, Dispatcher account setup
- **Device Monitor and Performance Statistic :**
Base station status monitor, Register Logs
- **Radio Control :**
OTAP

Hardware Products



Base Station

- **Supports Multiple Frequency Ranges**
VHF (136-174 MHz).
UHF (350-400 MHz, 400-470 MHz).
- **High Reliable**
Independent power supply fan for Channel unit
Soft controller backup, control channel backup.
Multi-level Fall back, Multi-carrier frequency fall back to single carrier frequency.
- **Multiple Deployment Method**
Standard rack mount.
Support IP, E1, 4G and other networks.
Support vehicle deployment, fast and portable.
- **High Compatibility**
Supports PSTN/PABX, SIP, etc.

Solutions Segment

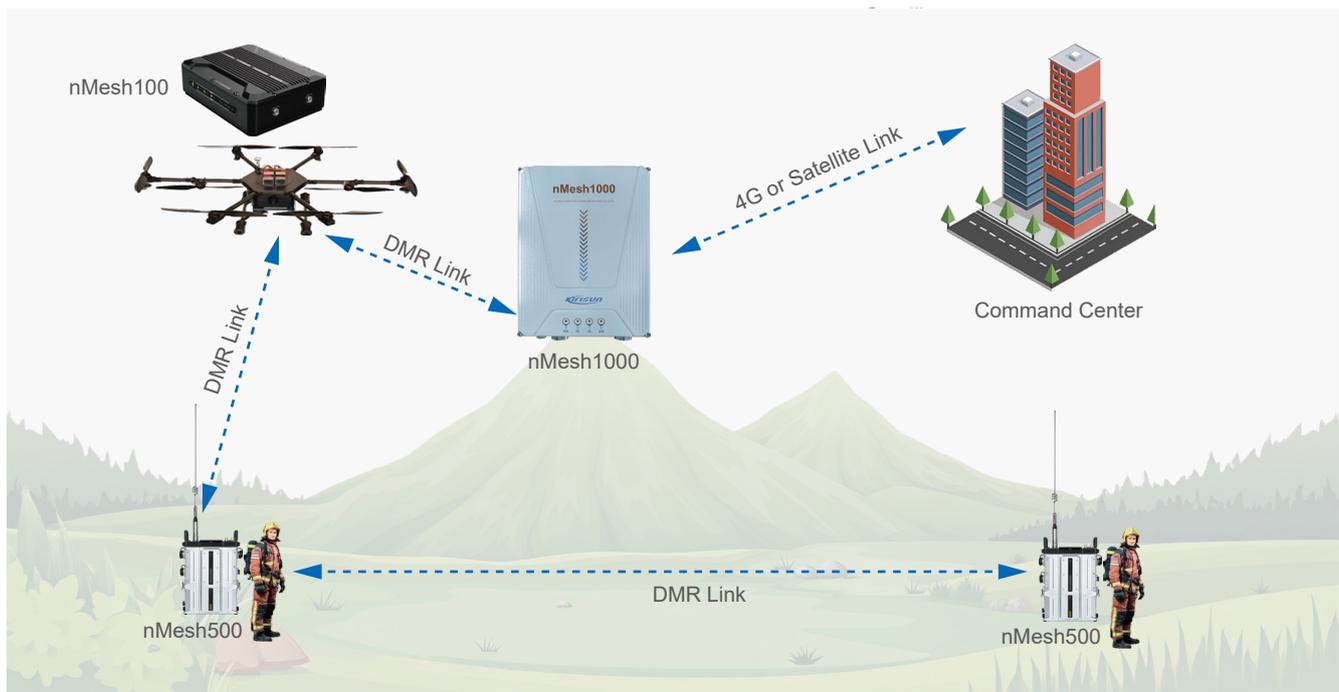
DIGITAL WIRELESS AD HOC REPEATER SOLUTION



BRIEF INTRODUCTION

When a disaster occurs, the disaster-stricken site is often faced with "three disconnection scenarios" (power failure, network disconnection, circuit disconnection)", and the Digital Wireless Ad Hoc Repeater can quickly and flexibly build a large-scale communication network on site. At the same time, via satellite or the 4G signal at the edge of the site realizes the remote voice communication between frontline rescue workers with the rear command center, providing guarantee for the disaster relief personnel to complete the rescue mission in coordination.

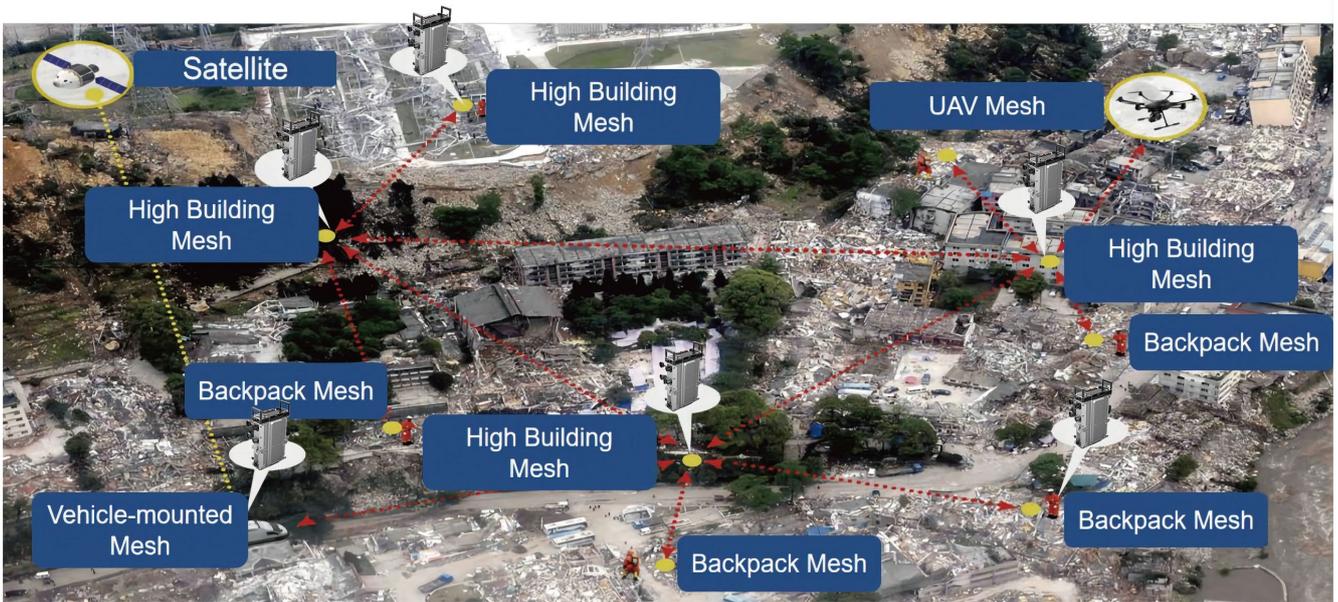
NETWORK DIAGRAM



ADVANTAGES

- Power on to automatically networking
- Small, light, easy deployment, no need cabling
- 4G/IP link as backup
- Support fixed installation and portable
- Up to 32 nodes network

TYPICAL APPLICATION - Earthquake Rescue



TYPICAL APPLICATION - Maritime Rescue



Related Cases

Case Studies

2021 Tesla Giga Factory in Berlin, Germany

The Tesla Berlin factory was built in 2021, and communication equipment is needed internally for the preparation and communication of the new construction. In areas with poor coverage of the original public network, a new private network DMR product DP480 has been added. After testing, the user feedback shows that the usage effect is satisfactory, and the expanded DP480 is in place.



2022 COAL COMPANY, RUSSIAN FEDERATION

According to customer needs of coal company, Kirisun presented the DS6000 digital trunking system. Smooth transferring from MPT1327 to DMR Tier III, expansion of radio coverage due to new BS, as well as expansion of dispatching functionality. As a result of the deployment of the system, the miners received reliable communication, they hear each other without extraneous noise at any point of radio coverage. Moreover, control over the safety of employees was ensured.

2018 Cornwall Water Company, UK

Kirisun DMR Trunking system realized that the company need a smooth migration from analog radios System. This delivers the required full redundant design, capacity and roaming functionality to enable seamless communications. After careful study of the Cornwall requirement, and a detailed site survey, Kirisun and its partner proposed a advanced DMR Tier III Trunking system and stood out from the vendors after strict technical and commercial evaluation.





2019 South Africa Mining Operation

Kirisun DMR IP Connection Solution realized that Source Mining need a smooth transformation solution which provides enough channels and talk groups to meet the operational and safety needs. This delivers the required geographic coverage, capacity and roaming functionality to enable seamless comm. between the surface and underground areas.

2016 New Zealand Transit Bus Company

With the new DMR Trunking System from Kirisun, Transit has received a comprehensive and powerful solution for voice and data communication with which they can control the entire vehicle operation comfortably and securely. The new infrastructure consists of several base stations covering the entire Transit line network.



2018 Turkish Security Company

Based on the analysis of the Turkish Security Company's requirements, Kirisun offered the following solution: Build a DMR base station in the center of the security company.

Kirisun provided 1000+Pcs DMR portable radios to all the staff and security.

The radio was equipped with 4W RF power to have a larger coverage compared with other terminals.

2019 Gould Electronics, UK

During the communication, Kirisun realized that Gould Electronics need a smooth transformation solution to replace the existing MPT system step by step, in order to protect the previous investment and ensure their customers' experience in smooth evolution. Kirisun created a strong R&D team dedicated for this customized cost-saving solution, we develop a new product (DG800) - gateway between Tait MPT system & Kirisun DMR trunking system, deeply satisfied customer need. Till now, we have deployed 37 transceivers, 562 mobiles radios, 560 portable radios at 17 sites.



2021 ADNOC Schools, Charter Schools, UAE

Kirisun is committed to creating a secure education environment for now and the future. School safety is the top priority in all the UAE schools. Kirisun understands the importance of real-time communication at critical moments; together with its local partner [Hertz], Kirisun has implemented a state-of-the-art professional communications system for Aldar Academies, ADNOC Schools, and Charter Schools.



2023 Zijin Mining in Serbia

Zijin Mining, a globally renowned mining company, faces numerous challenges. Ensuring communication security and stability and reducing operational costs have always been the main challenges faced by Zijin Mining in the Serbia mining area. To address these issues, Kirisun professional communication solution that empowers Zijin Mining in Serbia. This solution ensures the communication needs of Zijin Mining in various scenarios. It has powerful functions and stable performance, satisfying the communication needs of Zijin Mining in complex environments.

2023 Pertamina Ramba Field, Indonesia

Kirisun DMR Trunking system realized that the Pertamina need a stable and reliable communication system. This delivers the required full redundant design, capacity and roaming functionality to enable seamless communications. After careful study of the Pertamina requirement, and a detailed site survey, Kirisun and its partner proposed a advanced DMR Tier III Trunking system and stood out from the vendors after strict technical and commercial evaluation.



2021 ADNOC Schools, Charter Schools, UAE

According to the comms needs of the Bird's Nest, Kirisun adopts the advanced DS6000 digital trunking system to build a set of 8-carrier base stations, including 15 shared channels, 1 center node switch, 1 recording server, 1 dispatching server, 2 dispatching clients, and 400 DP990 portable radios. In addition, we have also deployed 1 optical fiber transceiver and an indoor antenna feeder in the venue office to eliminate the shielding of radio signals in the steel-concrete building.



Convergence | Evolution | For a Safer World



Kirisun Official Website

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