Professional wireless communication system solution supplier

Product Catalog

Kirisun Communication Co.,Ltd.

Headquarters
ADD：3rd Floor, Building A, Tongfang Information Harbour,
No.11 Langshan Road, Nanshan District, Shenzhen 518057, P.R.China
Tel：+86-755-86106898
Email：marketing.os@szkirisun.com
https://www.kirisun.com/en

Kirisun NZ Limited
ADD:9 Knight Place Riccarton Christchurch 8041
New Zealand
Phone : 0800 454756
Email : Sales@kirisun.nz
https://www.kirisun.nz

FC CE ISO9001

Product Catalog

03

DMR Products

DP405 DM588
DP485/DP480 DP770 DP990/DP995
DP580/DP585 TM840
V8 DR700 DR600 TR850

15

System Solutions

DS1000 DS5500 DS6000

20

PoC Solution

PoC Solution Network PoC Dispatching Console
W60/W65 T60/T65
M50 3G M50 4G
PoC App TM840-GW

29

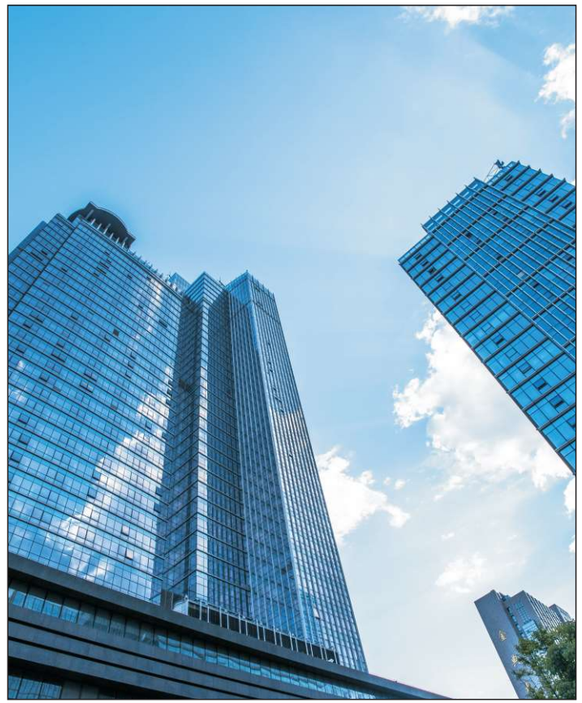
Body Worn Cameras

DSJ-H9s DSJ-F9s DSJ-M9
DSJ-K9 Docking Station

35

Kirisun KiNet Intelligent Network System

Kirisun KiNet Intelligent Network System



Company Profile

Initially established in 1986, Kirisun Communication Co., Ltd is a fully independent company operating its own sales, R& D and manufacturing divisions.

▲ Office environment

Ranked among the leading industry brands, Kirisun brings exacting standards of innovation, quality and excellence to its professional radio terminals and system solutions, providing integrated communications solutions for carrier and private networks.

▲ Production Base in Fujian

Our manufacturing facility is 100% owned and occupied around 20,000 square meters in QuanZhou , operating internationally recognised TUV ISO9001: 2015 quality criteria. The maximum production capacity is nearly 1.2 million per year, together with rigorous and uncompromising quality controls, Kirisun has won the leading Outstanding Enterprise award from local government.

Kirisun invests about 15% of its revenues each year in R&D to promote innovation of technology and products. It has established R&D centers in Shenzhen, Beijing, Guangzhou, Quanzhou in China, as well as in the United Kingdom to support innovation and development of the company. Kirisun has a well-established distribution network covering all over China and more than 80 countries in global market.

DMR Products

Kirisun DMR products, complying with ETSI open standard, offering a wide selection of DMR radios and solutions, including kinds of portable radios, mobile radios, repeaters and multile sites IP connection solution, dispatching system and DMR Tier3 trunking system to meet different users' needs.

DP405 DMR Portable Radio

The DP405 potable digital two-way radio complies with standard DMR protocols, supports Tier 1 and Tier 2 modes, and is compatible with other DMR terminals. Capable of operating in both digital and analog modes, it achieves smooth analog-to-digital migration. It satisfies various requirements of industrial applications with richer functions and high cost efficiency.

Features：
Campact Size with Clear and Loud Voice
Analog&Digital and Mixed mode for smooth migration
High-capacity battery for longer work time
Improved call capacity with DMO dual-slot communication
User-defined voice announcement

Functions：
TDMA dual-slot technology doubles call capacity
Support individual call, group call, all call
Support radio check, kill, stun and unstun and remote monitor
40-bit ARC4 encryption eliminates eavesdropping
Support normal and secret alarm, and combination of different alarm types and modes
Support pseudo trunking
Support Man Down(Optional)

Frequency Band	136～174MHz,350～400MHz, 400～470MHz, 400-520MHz
Channel Capacity	256
Zone Capacity	16
Channel Spacing	25kHz/12.5kHz(Analog) ;12.5kHz(Digital)
Battery	2000mAH Li-ion(Standard)
Battery Life	Analog:15 hours@2000mAh
(5-5-90 Duty Cycle, High TX Power)	Digital: 18 hours @2000mAh
RF Power Output	5W/1W(VHF); 4W/1W(UHF)
Frequency Stability	±1.5 ppm
Dimensions(H·W·D)	34.5mm*60mm*130mm
(with standard battery, without antenna)	
Weight(with standard battery)	280g(2000mAh)
Digital Vocoder Type	ABME+2™
Digital Protocol	ETSI-TS102 361-1,-2,-3

DP480/485

DMR Portable Radio

A DMR based professional digital radio, the DP480/485 operates in digital and analog modes and is compatible with conventional analog two-way radios and most digital communication systems. The product features clear voice, high power, rich functions. Together with Kirisun IP multi-site connect system, it forms digital communication solutions that achieve voice dispatcher, voice recording, GPS based positioning, record query and remote control. With richer functions and higher cost efficiency, it meets various requirements of industrial application.

Features:
Improved call capacity with DMO dual-slot communication
Digital noise reduction for clearer voice
Analog&digital and mixed mode for smooth migration
GPS Real time location (optional)
Support man down (Optional)

Functions:
TDMA dual-slot technology doubles call capacity
Support individual call, group call and all call
Support radio check, kill, stun and unstun and remote monitor
40-bit ARC4 encryption eliminates eavesdropping
Support normal and secret alarm, and combination of different alarm types and modes
Support pseudo trunking
Support Man Down(Optional)
High-precision GPS positioning module for instant tracking

Frequency Range	136～174MHz, 400～470MHz
Channel Capacity	256
Zone Capacity	16
Channel Spacing	25KHz/12.5kHz(Analog), 12.5kHz(digita)l
Battery	2000mAH Li-ion(Standard)
Battery Life (5-5-90 Duty Cycle, High TX Power)	Analog:15 hours@2000mAh,Digital: 18 hours @2000mAh
RF Power Output	5W/1W(VHF) 4W/1W(UHF)
Frequency Stability	±1.5 ppm
Dimensions(H·W·D) (with standard battery, without antenna)	DP480:35mm*61mm*132mm DP485:36.5mm*61.5mm*132mm
Weight(with standard battery)	DP480:305g, DP485:300g
Digital Vocoder Type	ABME+2™
Digital Protocol	ETSI-TS102 361-1,-2,-3

DP580/585

DMR Portable Radio

With richer features, reliable design and excellent coverage performance, DP58 series radios are ideal for manufacturing, warehouse and hospitality environments.

Features:
Compace & Lightweight
IP66 Water Proof
Secure Communication
Advanced Analog Signaling
TDMA dual-slot technology doubles call capacity

Functions:
Built-in high-precision GPS positioning module, work with dispatching system to achieve instant tracking and positioning
Supports roaming and pseudo trunking
Support digital, analog, and mixed mode
3 Programmable keys
Support multi-mode emergency alarms and remote control
Support 5Tone, DTMF, MDC and 2Tone
Support ARC4 40 bits encryption
Support AES and DES Encryption (Optional)
Support various digital signalings

Frequency Bands	136～174MHz, 400～470MHz
Channel Capacity	256
Zone Capacity	16
Channel Spacing	25kHz/12.5kHz(Analog) 12.5kHz(Digital)
Battery	2000mAH Li-ion(Standard)
Battery Life	Analog:15 hours@2000mAh
(5-5-90 Duty Cycle, High TX Power)	Digital: 17 hours @2000mAh
RF Power Output	5W/1W(VHF) 4W/1W(UHF)
Frequency Stability	±0.5 ppm
Dimensions(H·W·D)	DP585:36.5mm*62.5mm*132mm
(with standard battery, without antenna)	DP580:36.5mm*62.5mm*132mm
Weight(with standard battery)	DP580:316g, DP585:300g
Digital Vocoder Type	ABME+2™
Digital Protocol	ETSI-TS102 361-1,-2,-3

V8 DMR Portable Radio

The V8 is a professional digital two-way radio elaborately designed with a streamline appearance and an aluminum shell. It supports digital and analog modes and mixed mode, achieving smooth analog-to-digital migration. Cost effective with richer functions, it meets various application needs in such industries as railways, estate management, transport and security service.

Features:
OLED screen
DMO dual-slot
Pseudo trunking
GPS positioning (optional)
Registration, roaming and Man Down (optional)

Functions:
Streamline appearance and OLED screen
DMO dual-slot capable of more groups
Support registration, roaming, GPS positioning, Man-Down alarm and pseudo trunking
Support digital, analog and mixed mode
Support radio check, kill (decoding), stun (decoding), activation (decoding), monitoring (decoding) and Lone Worker
Audio encryption and color-code based authentication
Support multi-mode linkage alarm and Man-Down alarm
Battery level announcement
Support 200～400 hours of voice recording (custom)

Frequency Range	400～470MHz
Channel Capacity	256
Zone Capacity	16
Channel Spacing	25kHz/20kHz/12.5kHz(Analog) 12.5kHz(Digital)
Battery	2000mAH Li-ion(Standard)
Battery Life	Analog:17 hours@2000mAh
(5-5-90 Duty Cycle, High TX Power)	Digital:20 hours @2000mAh
LCD	OLED,1.1",128*32 pixels
RF Power Output	4W/1W
Frequency Stability	±1.5 ppm
Dimensions(H·W·D)	35.5mm*63mm*140mm
(with standard battery, without antenna)	
Weight(with standard battery)	332g(2000mAh)
Digital Vocoder Type	ABME+2™
Digital Protocol	ETSI-TS102 361-1,-2,-3

DM588

Digital Mobile Radio

Compliant to DMR standards, the DM588 digital mobile radio adopts the TDMA dual-slot technology and supports digital and analog modes. The radio features clear voice, high spectrum efficiency and anti-interference as well as rich voice and data services, bringing you extraordinary new experience of digital communication.

Features:
Compact, sophisticated and stylish
1.8" color HD TFT screen
Smart digital-analog auto detection
Secure communications
High-precision GPS positioning module
High-efficiency and stable heat dissipation

Functions:
Support analog and digital modes and mixed mode
Support auto roaming
Support individual call, group call and all call
Support multiple data services and optional functions
Support ARC4 40 bits encryption
Support AES and DES Encryption (Optional)
Support 5Tone, DTMF, MDC and 2Tone

Frequency Range	136～174MHz,400～470MHz
Channel Capacity	256
Zone Capacity	16
Channel Spacing	25kHz/20kHz/12.5kHz(Analog) 12.5kHz(Digital)
Operating Voltage	13.6V±15%
RF Power Output	10W/25W
Frequency Stability	±0.5 ppm
Dimensions(H·W·D)	151mmx47mmx149mm
Weight	1.15Kg
Digital Vocoder Type	ABME+2™
Digital Protocol	ETSI-TS102 361-1,-2,-3

DP770

DMR Portable Radio

Features:
Multiple operation mode
Rich voice and data services
Compliant to IP67 and US MIL-STD C/D/E/F/G
Multiple advanced encryptions
Built-in RTC module

Functions:
1.8'' color TFT screen to display icons, short messages and call
TDMA technology for greatly increased capacity of 12.5KHz channel
Support digital and analog modes
Enhanced security with ARC4, DES and AES encryptions
1024 channels, up to 128 channels per zone
Support individual/ group/ all call
Support emergency call, PTT ID display, emergency alarm, radio check, stun, kill and activation
Support lone worker, emergency call, man down
Built-in CTCSS/DCS, 2-tone, 5-tone and MDC signalings
Support GPS positioning
Support VOX
Support upgrade to standard digital trunking radio or MPT1327 analog trunking radio
Built-in RTC module
Support vibration alert for incoming calls

Frequency Range	136～174MHz, 350～400MHz, 400～470MHz
Channel Capacity	1024
Zone Capacity	248
Channel Spacing	25kHz/20kHz/12.5kHz(Analog)， 12.5kHz(Digital)
Battery	2000mAh
Battery Life	Analog:13.5 hours@2000mAh
(5-5-90 Duty Cycle, High TX Power)	Digital: 15.5 hours @2000mAh
LCD	1.77inch, 5 rows
RF Power Output	1W/4W(UHF), 1W/5W(VHF)
Frequency Stability	±0.5 ppm
Dimensions(H·W·D)	137mmx55mmx35mm
(with standard battery, without antenna)	
Weight(with standard battery)	362g(2000mAh)
Digital Vocoder Type	ABME+2™
Digital Protocol	ETSI-TS102 361-1,-2,-3 ,-4
Dust & Water Protection	IP67 Standard

DP990/995

DMR Portable Radio

Features:
Multiple operation modes
Support Bluetooth and GPS
Compliant to IP68 and MIL-STD C/D/E/F/G
Multiple advanced encryptions
Built-in RTC module

Functions:
Support analog and digital modes, compatible with conventional analog systems
Messages, calls and more services via programmed Quick Call key
Support roaming to achieve automatic channel switching under IPSL repeater system
Support pseudo trunking for assignment idle slot group
Enhanced security communication with ARC4, DES and AES encryption algorithm
Various data services and functions, such as short message, scan, emergency alarm, radio check, monitoring, radio stun/kill/activation and Lone Worker
Support individual/ group/ all/ emergency call
Support viewing GPS positioning information and sending instant short messages of location information
Support upgrade to digital trunking and analog trunking mode

Frequency Range	136～174MH, 400～470MHz
Channel Capacity	1024
Zone Capacity	248
Channel Spacing	25kHz/20kHz/12.5kHz(Analog),12.5kHz(Digital)
Battery	2000mAh
Battery Life	Analog:13.5 hours@2000mAh
(5-5-90 Duty Cycle, High TX Power)	Digital: 15.5 hours @2000mAh
LCD	1.77inch, 5 rows
RF Power Output	1W/4W(UHF), 1W/5W(VHF)
Frequency Stability	±0.5 ppm
Dimensions(H·W·D)	131.5mmx63.5mmx35.5mm
(with standard battery, without antenna)	
Weight(with standard battery)	385g(2000mAh)
Digital Vocoder Type	ABME+2™
Digital Protocol	ETSI-TS102 361-1,-2,-3 ,-4
Dust & Water Protection	IP68 Standard

TM840

Digital Mobile Radio

Features:
1.8'' color screen
Multiple advanced analog signalings
Compliant to US MIL-STD C/D/E/F/G and IP54
Support multiple operation modes
Support upgrade to digital trunking and analog trunking mode
5 programmable keys and large-size keypad for convenient operation
Support Bluetooth(Optional)
Support Signle frequency repeater mode(Hardware optional)

Functions:
Support analog and digital modes, compatible with conventional analog systems
Messages, calls and more services via programmed Quick Call key
Support roaming to achieve automatic channel switching under IPSL repeater system
Support pseudo trunking for assignment idle slot group
Enhanced security communication with ARC4, DES and AES encryption algorithm
Various data services and functions, such as short message, scan, emergency alarm, radio check, monitoring, radio stun/kill/activation and Lone Worker
Support individual/ group/ all/ emergency call
Support viewing GPS positioning information and sending instant short messages of location information
Support upgrade to digital trunking and analog trunking mode

Frequency Band	136～174MHz, 350-400MHz,400～470MHz, 450～520MHz
Channel Capacity	1024
Zone Capacity	248
Channel Specing	25kHz/20kHz/12.5kHz(Analog),12.5kHz(Digital)
Operating Voltage	13.6±15%
LCD	1.77inch,5rows
RF Power Output	Low Power:1-25W High Power:1-40W(UHF)/45W(VHF)
Frequency Stability	±0.5ppm
Weight	1.5Kg
Dimension (W×H×D)	176mm×59mm×183mm
Digtal Vocoder Type	ABME+2™
Digital Protocol	ETSI-TS102 361-1,-2,-3,-4
Dust&Water Protection	IP54 Standard

DR700

Backpack Repeater

Features：
Small, light and portable with integrated and compact design
Intuitive dual keypads for convenient operation
Built-in large-capacity Li-ion battery with lifetime up to 8 hours
Built-in high-precision GPS positioning module
Flexible networking, quick setup, extended communication range and fewer blind zones, better satisfying emergency communication needs
Support setting up repeater system at single frequency, greatly saving frequency resources

Functions：
Support digital conventional, analog conventional, single-frequency transfer (digital) and trunking modes
Support single-frequency repeater mode, setting up a repeater system at a single frequency and greatly saving frequency resources
Support various data services and optional functions, such as short message, scan, emergency alarm, radio check, remote monitoring, radio stun/kill/activation and Lone Worker
Support individual call, group call, all call and emergency call
Advanced encryption and scramble
Intuitive dual-keypad operation panel with channel display, LED indicators, channel key, and audio interface for external hand microphone, more convenient operation

Frequency Range	350～400MHz,400～470MHz
Channel Capacity	1024
Zone Capacity	248
Channel Spacing	25kHz/20kHz/12.5kHz(Analog) 12.5kHz(Digital)
Operating Voltage	14.4V±15%
RF Power Output	10W/25W
Frequency Stability	±0.5 ppm
Dimensions(H·W·D)	170mmx243mmx48mm(without battery);170mmx243mmx75mm(with battery)
Weight	2.2Kg(without battery);3.2Kg(with battery)
Digital Vocoder Type	ABME+2™
Digital Protocol	ETSI-TS102 361-1,-2,-3,-4

DR600

DMR Repeater

Features:
Compact 1U chassis
Intelligent dual-mode operation
Enhanced security with data encryption
Excellent heat dissipation
Convenient management software
Extended accessories

Functions:
AI S/SI P interface for inter-connection dispatch,telephone system and other fadities to be developed by the third party.
Support IP site link connection to extend coverage area
Support analog,digital and mixed mode
Upgadable to DMR Tier3 mode
Analog/digital auto switch, allowing analogue and digital users to work on the same frequency during analog-digital migration
Support repeater interconnection via IP port to network two-way radios, achieving distributed data and voice communication in large area
Controlled repeater access by radio users, preventing un-authorized access to radio network

Frequency Range	136～174MHz, 350～400MHz, 400～470MHz
Channel Capacity	64
Channel Spacing	25kHz/20kHz/12.5kHz(Analog) 12.5kHz(Digital)
Operating Voltage	DC: 13.6V±15%; AC:100～250V 50/60Hz
Duty Cycle	100%
RF Power Output	High Power: 40W(UHF)/45W(VHF)
Frequency Stability	±0.5 ppm
Dimensions(H·W·D)	485.2mm×450mm×44mm
Weight	10.8Kg
Digital Vocoder Type	ABME+2™
Digital Protocol	ETSI-TS102 361-1,-2,-3 ,-4

TR850

DMR Repeater

Features:
Dual-mode operation
Enhanced security with data encryption
Outstanding heat dissipation
Convenient management via software
Extended accessories
Standard 3U rack-mounted cabinet with reserved space for duplexer

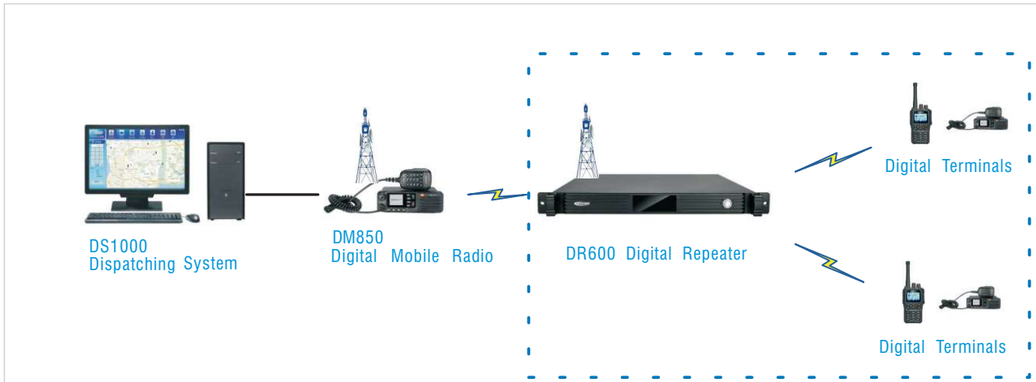
Functions:
Support monitoring, diagnosis and control both remotely (on the Internet via IP port)
Provide interface for AIS/SIP based secondary development, allowing connection to a dispatcher developed by third party
Analog/digital auto switch, allowing analogue and digital users to work on the same frequency during analog-digital migration
Support repeater interconnection via IP port to network two-way radios, achieving distributed data and voice communication in large area
Controlled repeater access by radio users, preventing un-authorized access to radio network

Frequency Range	136-174MHz, 350-400Mhz, 400-470MHz, 450-520MHz
Channel Capacity	64
Channel Spacing	25kHz/20kHz/12.5kHz(Analog),12.5kHz(Digital)
Operating Voltage	DC: 13.6V±15%,AC:100～250V 50/60Hz
Duty Cycle	100%
LCD	NO
RF Power Output	High Power: 40W(UHF)/45W(VHF)
Frequency Stability	±0.5 ppm
Dimensions(H·W·D)	482.5mm x338.5mm x132.5mm
Weight	11.5Kg
Digital Vocoder Type	ABME+2™
Digital Protocol	ETSI-TS102 361-1,-2,-3 ,-4

System Solutions

Kirisun dispatching system solutions can be deployed flexibly and work with commercial or professional digital terminals to achieve communication management as well as remote dispatching and commanding, satisfying diverse communication needs of a wide range of industries and users.

DS1000 Dispatching System

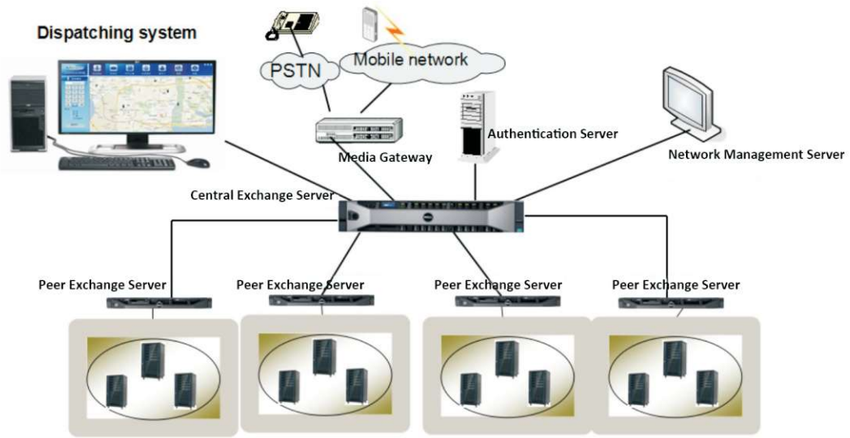


The DS1000 is based on the Kirisun DM850 professional digital mobile radio. It is applicable to Kirisun DMR digital conventional systems, achieving voice dispatching, message dispatching, track playback, record query, background voice recording and remote control through voice and data transmission between digital mobile radios and the dispatching system. The system is suitable for the routine management and dispatching of commercial users such as hotels, estate management and shopping malls.

Features:
Simple architecture for easy deployment and use
Rich voice services such as individual call, group call and all call
Support emergency call and alarm
End-to-end AES/DES encryption for secure communication
Support advanced signaling based functions such as monitoring, radio check, stun, kill, activation
Support background voice recording and real-time call monitoring
Support login/logout registration of DMR digital terminals, positioning of GPS based patrol terminals and track playback

DS6000 Trunking System

Kirisun's digital trunked radio solution (DMR Tier III) is designed for demanding radio users to deliver business and mission critical communications. Developed in compliance with the ETSI standard, Kirisun DMR trunking offers a customized system based on the individual needs of your organization. Modular and flexible, a Kirisun trunking system can tackle high radio traffic, maximizing available capacity across dynamic user groups and challenging single or multi-site stations.



System Key Features

Dynamic Base Station Assignment
It is to dynamically assign a channel to the base station which really needs resources, enhancing the efficiency of channel utilization.

Security Functions
End-to-end encryption of voice and data Encryption with 40, 128 or 256 bits with the cryptographic systems AES and ARC4 Support of the DMRA procedure for the encryption transmission via the air interface. Radio stun function.

High System Reliability
Kirisun DMR T3 Trunking combines optimal radio coverage with intelligent redundancy design so the availability of the overall system is ensured even if an individual component fails.
- Support multi-level redundant backup of transceivers, channel controller software and switches
- Multi-level fail-soft guaranteeing the utmost communication continuity
- Free of BS controller, active-standby control channel on different transceivers
- Built-in power supply and fans in all transceivers, greatly promoting stability and heat dissipation

High Expandability
Different gateways support the interconnection between DMR trunking and other systems, such as SIP PABX, analog conventional, MPT, DMR conventional, etc.

System Functions
- Authentication
- Emergency Alarm
- Dynamical Group Number Assignment
- Roaming
- Handover
- Priority Call
- Queue
- Registration/ Deregistration
- Individual Cal/ Group Call/ Broadcast Call
- Group Call Late Entry/ Call Merge
- GPS
- Dynamic resource management

Network Management System
System Topologizing,
User and group management
Configuration management
Status monitor and alarm report.
BS configuration, management and maintenance.
Authority management and performance statics
Logs: Call Logs, Message Logs, Location logs
OTAP

Dispatching Console
- Versatile Voice Call&Data Serives

Various voice calls and textual/status messages between dispatching console and terminal
- User Management
- Registration to dispatching console, real-time update of network connection state of terminals
- Monitoring calls and messages between terminals
- Kill/ Disable/ Enable/ temporary group

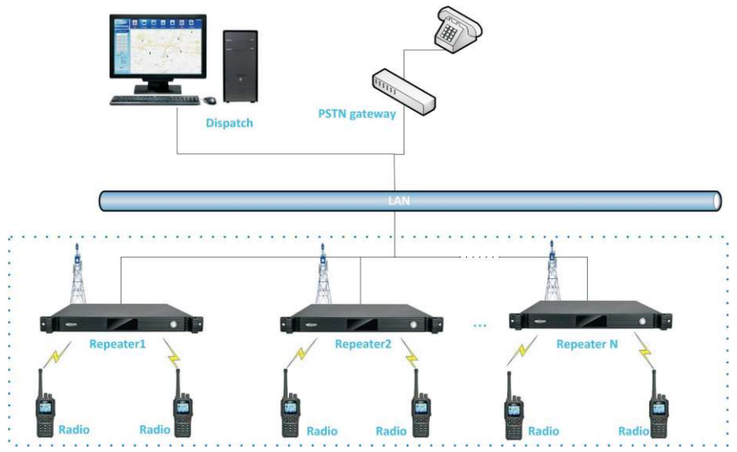
GIS
- Multiple map modes
- Point/line-based tracking
- Time / radio ID based track query and playback
- Log of group calls, individual calls, messages, kill, disable and data query

Voice Recording
Recording voice from all terminals identified by caller's ID.

DMR Trunking Terminals
The trunking terminals include DP990, DP995, DP770, DP970, DP975 and TM840.
Four-mode DMR trunking terminals support analog conventional mode, DMR conventional mode, MPT trunking mode and DMR trunking mode.
Trunking terminals support software upgrade from conventional to trunking mode.

Frequency Range	136-174MHz,350-400MHz,400-470MHz
Carrier Capacity	8
Site Capacity	16
Full Load Power Consumption	2-carrier: ≤600W; 4-carrier:≤1200W
Dimensions	2-carrier:600mm x 600mm x 600mm(9U cabinet);
(W×D×H)	4-carrier: 600mm x 600mm x 1200mm (22U cabinet)
Weight	2-carrier: 75kg,2-carrier: 75kg
RF Power Output	High Power: 40W(UHF)/45W(VHF)
Operating Voltage	DC: 13.6V±15%; AC:100~250V 50/60Hz
Frequency Error	±0.5 ppm
Static Sensitivity	0.25@BER5%

DS5500 IPSL Digital Dispatching System



IP network based, the DS5500 connects Kirisun DMR repeater systems in different areas to exchange of voice, data and packages, bringing larger and more efficient network coverage. The system can work with DMR conventional system to achieve interconnection of digital repeaters, voice and message based dispatching, track playback, record query, background voice recording and remote control. Besides, the system can be connected to telephones in the PSTN network using voice gateways. The system is suitable for such fields as judiciary, prisons, forestry, railways, firefighting, ports, security service and large-scale competitions and activities.

Features:
Flexible networking of up to 64 DMR repeaters to achieve large network capacity
Support communication within individual regions and across the network
Rich voice services such as individual call, group call, all call and emergency call
Support emergency alarm
Support remote monitoring and diagnosis
End-to-end encryption (AES/DES)
Visual dispatching system (optional),
PSTN telephony (optional)
Advanced signaling based functions such as remote monitoring, radio check, stun, kill, activation and call removal
Background voice recording and real-time call monitoring
Support login/logout registration of DMR digital terminals, GPS guard tour and tracking playback

PoC Solution

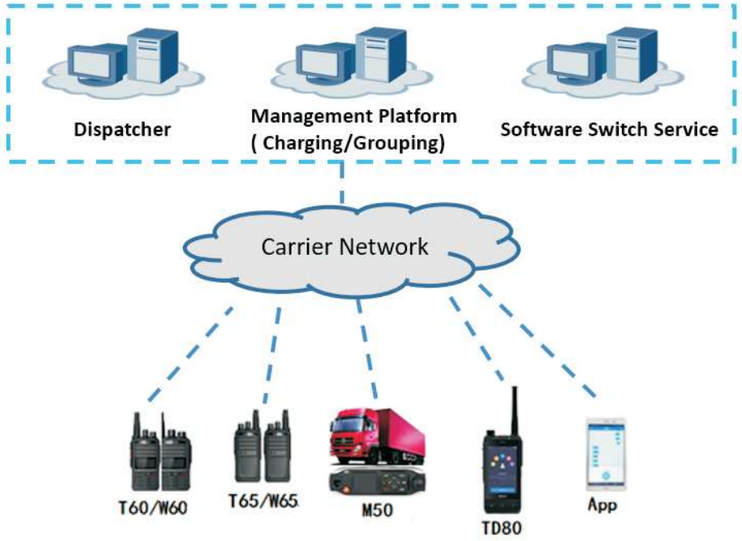
PoC is a service that provides push to talk communications via celluar network or WIFI network. User can make call without coverage issue.

Kirisun provides end to end PoC solution including portable radio, mobile radio, PoC platform and dispatch system.

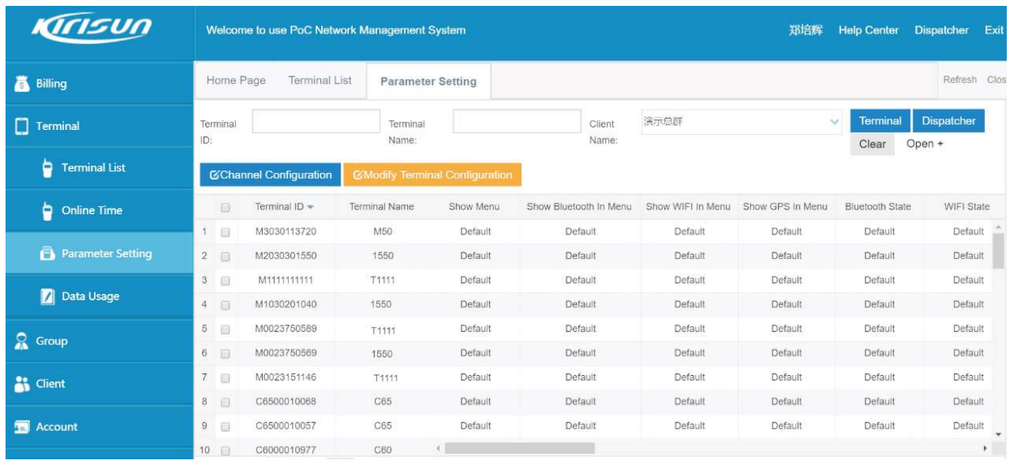
Application Scene:
Security, Logistics, Taxi, Retail, Hotel, Oil

PoC Solution Network

PoC Solution Network architecture consists of three layers, the top layer is management layer, the intermediate layer is network layer, the bottom layer is terminal layer.the management layer include the network management system, the dispatcher and the software switch server. These three parts were deployed in the public Cloud. The network layer is the Telecom Operator network. The terminal layer include W60/65, T60/65, M50(3G),M50(4G) and the Press2Talk App.

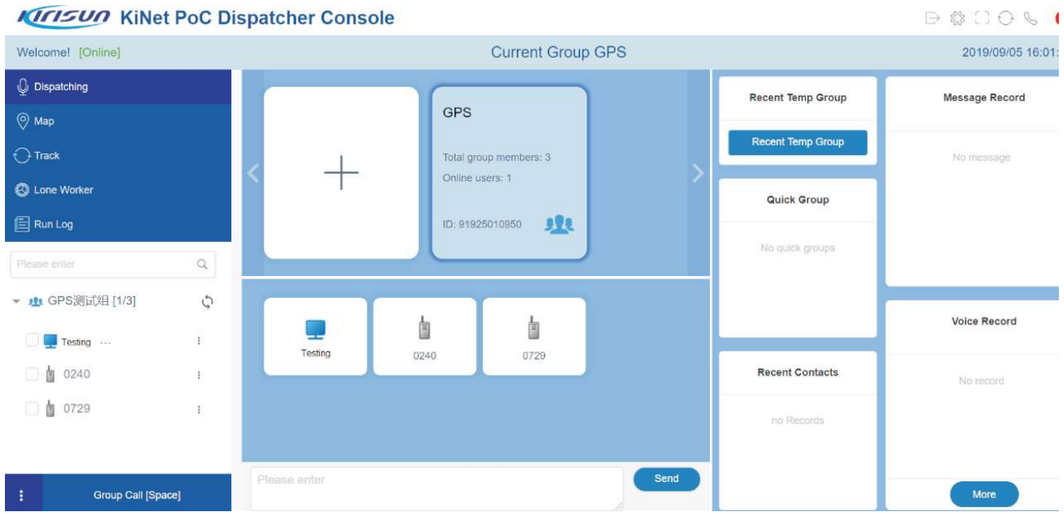


PoC Network Management System



PoC Dispatching Console

The PoC dispatcher console support voice dispatching, short message, voice recording and log history.



Main Functions:
Support individual call, group call and temporary group call
Support GPS tracking and Geo-Fencing
Support voice recording and playback
Support electronic patrol management
Support log query and log export

W60/65

3G Portable PoC Radio

PoC is a service that provides push to talk communications via celluar network or WIFI network. User can make call without coverage issue. W60/W65 is 3G PoC radio with traditional walkie-talkie model.

Main Functions:

★ Wide coverage with carrier network
★ LED Display
★ Build-in WIFI
★ Build-in Bluetooth
★ GPS positioning
★ Software upgrade via OTA
★ Support voice services (all call, group call, individual call), text message, tone alert
★ Support radio kill, radio stun, radio revive and radio monitor
★ Support real-time contacts status
★ Support voice recording

Frequency Band	WCDMA,GSM
Battery	3600mAh / 5200mAh(Optional)
Operating Temperature	-20℃～+50℃
Storage Temperature	-40℃～+85℃
Dimension (W×H×D)	115mm*54mm*30mm
Display	160*128 pixels,monochrome LCD screen
Weight	330g
Dustproof & Waterproof	IP54

T60/65

4G Protable PoC Radio

PoC is a service that provides push to talk communications via celluar network or WIFI network. User can make call without coverage issue. T60/T65 is 4G PoC radio with traditional walkie-talkie model.

Main Function:

★ Widecoverage with carrier network
★ LED Display
★ Build-in WIFI
★ Build-in Bluetooth
★ GPS positioning
★ Software upgrade via OTA
★ Support voice services (all call, group call, individual call), text message, tone alert
★ Support radio kill, radio stun, radio revive and radio monitor
★ Support real-time contacts status
★ Support voice recording

Frequency Band	4G LTE,WCDMA,GSM
Battery	3600mAh/5200mAh(optional)
Operating Temperature	-20℃～+50℃
Storage Temperature	-40℃～+85℃
Dimension (W×H×D)	115mm*54mm*30mm
Display	160*128 pixels,monochrome LCD screen
Weight	330g
Dustproof & Waterproof	IP54

M50 3G

PoC Mobile Radio

M50 mobile radio support PoC service via 3G network without coverage limitation. It is easy to install and deploy in the vehicle.
Application Scene:
Logistics, Construction, Transportation, Taxi

Main Function:

★ Wide coverage with carrier network
★ LED Display
★ Build-in WIFI
★ Build-in Bluetooth
★ GPS positioning
★ Software upgrade via OTA
★ Support voice services (all call, group call, individual call), text message, tone alert
★ Support radio kill, radio stun, radio revive and radio monitor
★ Support real-time contacts status
★ Support voice recording

Network and Frequency Band	WCDMA,GSM
Operating Temperature	-20℃ ~ + 50℃
Storage Temperature	-40℃ ~ + 80℃
Dimension (W×H×D)	153mm*44mm *51mm
Display	160*128P pixels,monochrome LCD screen
Weight	280g
Dustproof & Waterproof	IP54

M50 4G

PoC Mobile Radio

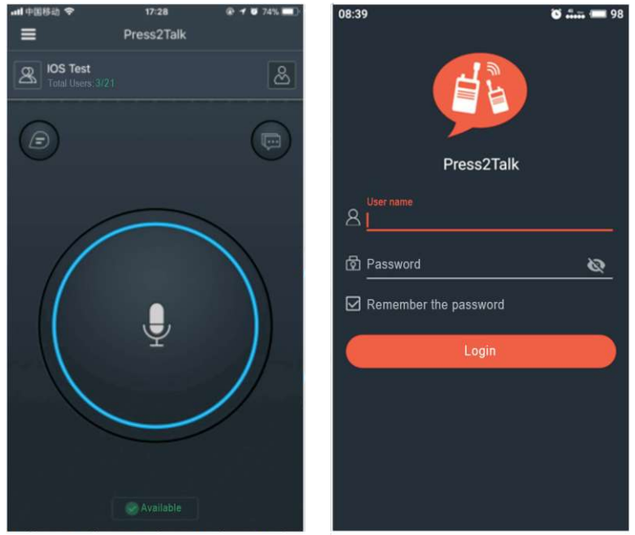
M50 mobile radio support PoC service via 4G/3G network without coverage limitation. It is easy to install and deploy in the vehicle.
Application Scene:
Logistics, Construction, Transportation, Taxi

Main Functions:

★ Wide coverage with carrier network
★ LED Display
★ Build-in WIFI
★ Build-in Bluetooth
★ GPS positioning
★ Software upgrade via OTA
★ Support voice services (all call, group call, individual call), text message, tone alert
★ Support radio kill, radio stun, radio revive and radio monitor
★ Support real-time contacts status
★ Support voice recording

Network and Frequency Band	4G LTE,WCDMA,GSM
Operating Temperature	-20℃ ~ + 50℃
Storage Temperature	-40℃ ~ + 80℃
Dimension (W×H×D)	153mm*44mm *51mm
Display	160*128pixels, monochrome LCD screen
Weight	280g
Dustproof & Waterproof	IP54

PoC App



The mobile application Press2Talk App achieves rapid, low-flow and high-efficiency PTT service. It is capable of individual call, group call, temporary group call, short message, achieving real-time dispatching more efficiently via mobile terminal.

Features:
Global PoC service
HD voice and map-aided positioning
Support multiple vocoders, HD voice, individual call, group call and call interruption
Support textual and multimedia messages
Support precise map-aided positioning, uploading position information and viewing group members' position information
Support PTT with a dispatcher, PoC two-way radio and mobile radio
Support Bluetooth earphone and Bluetooth hand microphone
Support IOS 9.0+ and Android 4.4+

TM840-GW

PoC DMR Interconnection Mobile Radio

TM840-GW support voice interconnection between DMR radio and PoC radio.

Main Function:
★ Wide coverage with 4G/3G carrier network
★ LED Display
★ Build-in WIFI
★ Build-in Bluetooth
★ GPS positioning
★ Software upgrade via OTA
★ Support voice services (all call, group call, individual call),text message, tone alert
★ Support radio kill, radio stun, radio revive and radio monitor
★ Support DMR tier2 tier3 radio

PoC Frequency Band	4G LTE,WCDMA,GSM
DMR Frequency Band	136MHz-174MHz 350MHz-400MHz 400MHz-470MHz
Operating Temperature	-20℃ + 55℃
Storage Temperature	-40℃ + 80℃
Dimension(H*W*D)	165mm*260mm*220mm
Display	1.8 inch
Weight	<6000g
Dustproof & Waterproof	IP54

Body Worn Cameras

Kirisun is the main body worn camera solution provider on the market. Using artificial intelligence to create situational awareness, the assistive features operate seamlessly within our complete evidence ecosystem. Finally, a smart solution for law enforcement.

DSJ-H9s

H9S body worn camera is elegant and generous and the original rotatable camera design meets the needs of more shooting angles. At the same time, it adopts high-definition high-brightness capacitive touch screen design, which is convenient and comfortable to operate.

Main Features:

★ Rotating camera to meet the different scenes
★ Pogo Pin interface charging
★ One button recording function
★ Important video remark function
★ Secure recording format with built-in encryption and watermarking
★ Automatic continuous shooting function
★ Removable battery design, support long term continuous recording
★ Built-in LED white light fill function
★ Built-in laser positioning function
★ File hierarchical management and password authorization to ensure data security

Dimension	100mm*62mm*23mm
Weight	156g
Dust/Water Ingress Protecton	IP67
LCD Display	2.4-inch LCD
Field of View	JPEG
Photo Format	2304*1296, 1920*1080,1280*720, 848*480
Video Resolution	Mov/Mp3
Format	2500mAh
Battery	5m
IR Night Vision	32G(64G,128G optional)
Drop test	2m
Operating Environment	-20℃-55℃
Charging	Mini USB

DSJ-F9s

DSJ-F9S body worn camera is finely designed with thoughtful details such as ergonomic 360-degree rotary belt clip that is easy to wear, keys with super touch, anti-skid shell and drop resistance.

Main Features:

★ Compact & Reliable design
★ Long battery life
★ Pogo Pin interface charging
★ One button recording function
★ Important video remark function
★ Secure recording format with built-in encryption and watermarking
★ Automatic continuous shooting function

Dimension	82*56*31mm
Weight	134g
Dust/Water Ingress Protection	IP67
LCD Display	2.0-inch LCD
Field of View	Horizontal 125°
Photo Format	JPEG
Video Resolution	2304*1296 , 1920*1080 , 1280*720 , 848*480
Format	MP4/WAV
Battery	5m
IR Night Vision	32G (64G,128G optional)
Drop test	3.5m
Operating Environment	-20~55℃
Charging	Mini USB

DSJ-M9

4G Body Worn Camera

DSJ-M9 is based on the Android platform and support 4G LTE network. The product is elegant and generous and the original rotatable camera design meets the needs of more shooting angles. At the same time, it adopts high-definition high-brightness capacitive touch screen design, which is convenient and comfortable to operate.

Main Features:

★ Larger speaker cavity for clear and loud voice
★ GPS and NFC function
★ One button recording function
★ Important video remark function
★ Secure recording format with built-in encryption and watermarking
★ Automatic continuous shooting function
★ Non-removable battery design, support long term continuous recording
★ File hierarchical management and password authorization to ensure data security
★ Real-time video transmission and dispatch system via 4G network
★ PoC function

Dimension	120mm*66mm*28mm
Dust/Water Ingress Protection	IP67
LCD Display	3.5 -inch LCD
Field of View	Horizontal 125°
Photo Format	JPEG
Video Resolution	2304x1296,1920*1080 , 1280*720
Format	MP4/WAV
Battery	5000mAh
IR Night Vision	5m
Storage	32G(64G,128G optional)
Drop test	2m
Operating Environment	-20℃-55℃
Charging	Mini USB, Pogo pin

DSJ-K9

4G Body Worn Camera

DSJ-K9 is based on the Android platform and support 4G LTE network. The product is elegant and generous and the original rotatable camera design meets the needs of more shooting angles. At the same time, it adopts high-definition high-brightness capacitive touch screen design, which is

Main Features:

★ Larger speaker cavity for clear and loud voice
★ GPS and NFC function
★ One button recording function
★ Important video remark function
★ Secure recording format with built-in encryption and watermarking
★ Automatic continuous shooting function
★ Non-removable battery design, support long term continuous recording
★ File hierarchical management and password authorization to ensure data security
★ Real-time video transmission and dispatch system via 4G network
★ PoC function

Dimension	116mm*64mm*25mm
Dust/Water Ingress Protection	IP67
LCD Display	3.1- inch LCD
Field of View	Horizontal 125°
Photo Format	JPEG
Video Resolution	2304×1296，1920×1080，1280×720
Format	MP4/WAV
Battery	3500mAh
IR Night Vision	5m
Storage	32G(64G,128G optional)
Drop test	2m
Operating Environment	-20℃-55℃
Charging	Mini USB,Pogo pin

Docking Station

The body worn camera docking station provides an all-in-one video evidence management solution.

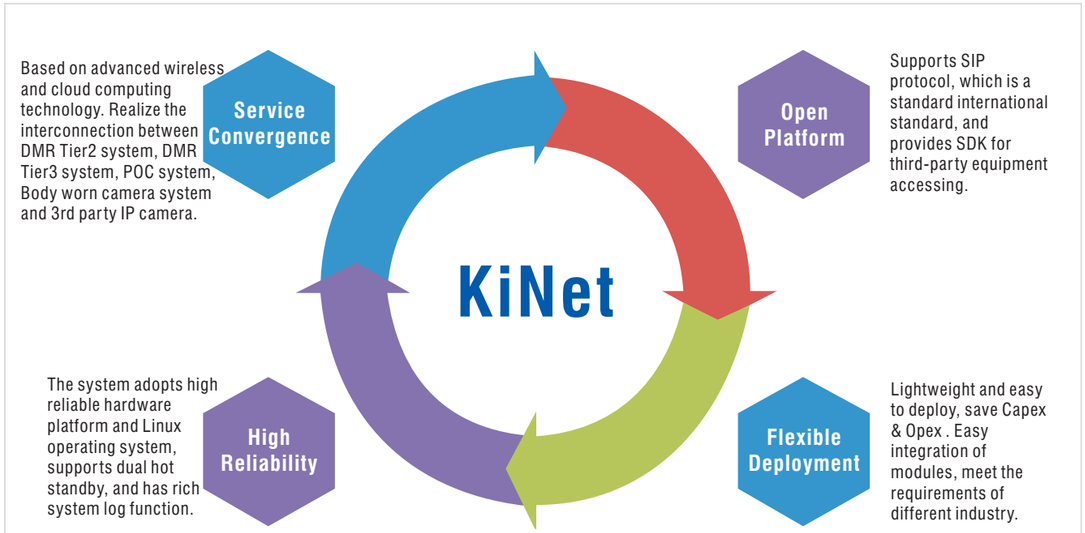
★ Providing data management and storage server
★ Auto data transferring when body worn camera is connected
★ Securely manage all videos, photos and audio files
★ Continuing with data transferring after interruption
★ Support multiple body worn cameras charging and data transferring
★ Search and playback evidence with different criteria
★ Assigning body worn camera to one user or multi-users

Dimension	400*300*120mm
CPU	Intel CPU 2.8GHZ
Memory	4GB(Max 32GB)
Motherboard	Industry level
Storage	Monitor class，4TB，expandable
Screen	10 inch
Power	150W server power 1A per USB port
Port Number	8
Function	CPU temperature monitoring, system temperature monitoring, CPU fan speed monitoring

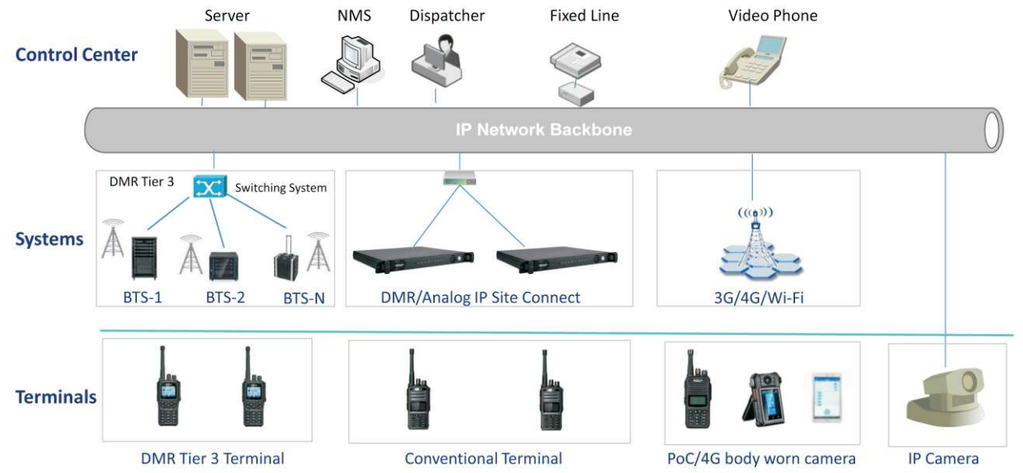
Kirisun KiNet Intelligent Network System

Smart Multi-Network Interconnection Solution
Connect Your Multi-Network Together

All in one : Kirisun Intelligent Network

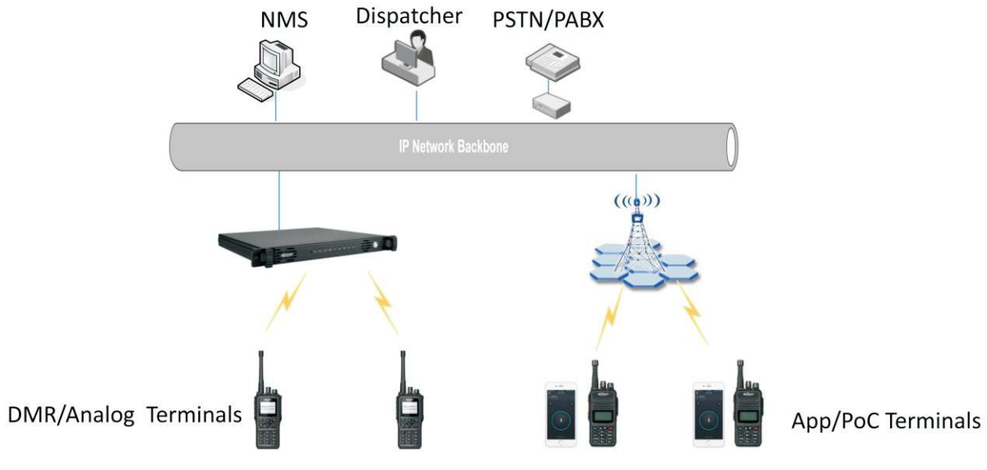


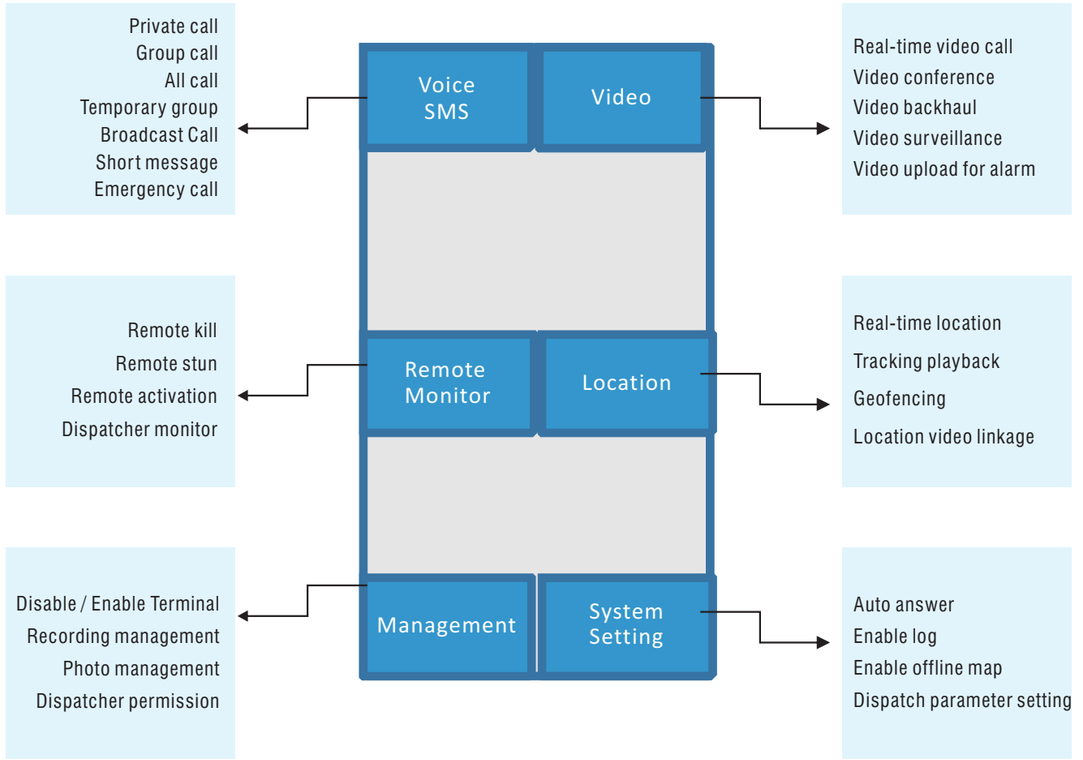
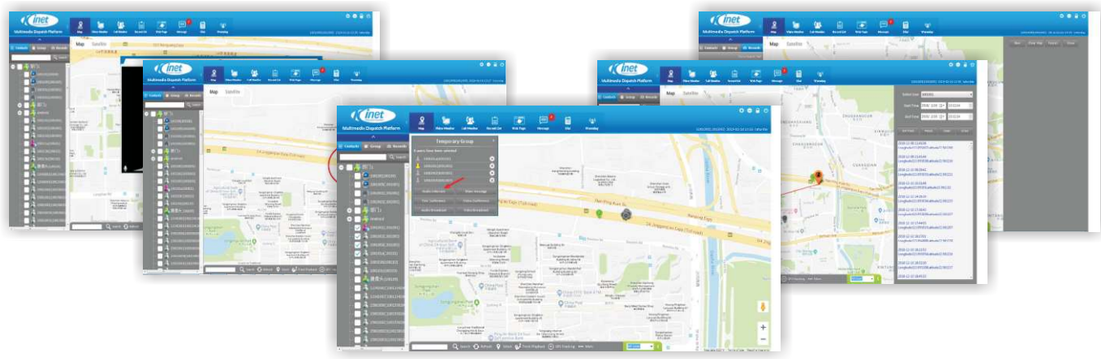
KiNet System Overall Architecture



Solution Highlights

All voice convergence : DMR＋Analog＋PoC＋PSTN/PABX



Multi-network convergence, Unified platform, Unified dispatching

Feature Summary: