



PRODUCTS SERIES

Quick Guide



TO EMPOWER USERS WITH DIVERSIFIED PROFESSIONAL TRUNKING COMMUNICATION SOLUTIONS



Founded in 1989, Belfone, a state-level high-tech enterprise, is a leading technology and solution provider of mission and business-critical communications, with our focus on the field of professional radio communications and our clientele all over the globe. With over 30 years of experience and expertise, we are dedicated to bringing the best out of the evolvement of different communications technologies and empowering our customers with integrated radio solutions such as broadband Trunking, narrowband Trunking, PoC Trunking, emergency response communication systems as well as command and dispatching systems.

The Belfone Professional Trunking System and Terminals have served customers in over 50 countries and regions. Providing industries users of public safety, public utilities, emergency response, energy and petrochemicals, rail transit, and commercial to achieve safer more efficient, more stable, and more connected communications.



Innovation

Belfone emphasizes a lot on innovation and has been investing over 15% of its annual revenue in R&D. At present, Belfone has 5 R&D centers in China, and its R&D personnel account for about 30% of the total staff number. Belfone is the proud owner of nearly 200 intellectual property patents.

Belfone has been actively pioneering the development of PMR technologies through relentless R&D efforts and has now mastered the mainstream open standard technologies, such as DMR, PoC, LTE, 5G, and traditional analog communications.



Quality Control

Belfone has invested a lot in introducing advanced testing equipment to form a strict quality control system ranging from design, material purchase, manufacturing process to delivery. Each product out of the warehouse needs to go through strict environmental testing, performance testing, and reliability testing including 30000+ pressing test, -20°C—+60°C temperature endurance, salt spray test, vibration test, drop endurance, aging test, etc. And guarantee the quality of products of stability and reliability.



Lean Production

Adhering to the principles of "precision design, lean manufacturing, meticulous management, and sincere service," Belfone leverages automation to systematize production processes, standardize operations, and digitize management. Consequently, improves product yield, production efficiency, and product quality. Belfone leverages automation to systematize production processes, standardize operations, and digitize management. Consequently, improves product yield, production efficiency, and product quality.





RADIOS

From simple voice-only models to feature-rich voice and data radios and Video Communication and Multimedia Applications.



SYSTEMS

BelFone will provide multiple comprehensive systems to meet your service needs.

INFRASTRUCTURE

Base Stations, Repeaters, controllers and gateways are the backbone of your BelFone two-way radio system.



SAFETY MANAGEMENT

Centralize management of your radio network and workforce for effective, efficient communications.



SERVICES

We've got you covered, from pre-installation to post-implementation, with expert support. We can provide OEM and ODM services.

**DISCOVER THE ULTIMATE IN
SEAMLESS OPERATIONS WITH A
TOTAL BELFONE SOLUTION**



PROFESSIONAL DMR TRUNKING SYSTEM

BelFone DMR Trunking system is an enhanced communication system based on DMR standard. Incorporating the latest DMR Trunking technologies, it integrates voice communication, data transmission, and Trunked dispatch to manage different communication modes more intelligently and bring exceptional digital experience. Characterized by integrated access, interconnectivity, and multilevel networking, this system brings full interconnectivity across modes/systems/departments/carriers for improved management efficiency and enriched management measures.



Regional Networking

BelFone DMR Trunking system is highly compatible with districts, cities, provinces and ministries network construction demands to save infrastructure investment, reduces maintenance costs, decreases complex program, and ensures network to run credibly.



Multi-Layer Encryptions

From advanced digital technology to variety encryption technologies such as: authentication, encrypted air-interface and end-to-end encryption, BelFone DMR Trunking system delivers an effective security guarantee.



Unified Command and Dispatch

The system effectively integrates wired, wireless, satellite, and digital communication. Satisfying hierarchical command while enabling cross regions, layers, and departments dispatch. Forming a unified, visualized, and intelligent command system to interconnect departments and systems and guarantee reliable and efficient dispatch.



Integrated Video Management

Unified access to various video systems (video surveillance, wireless image transmission, video conferencing, and smartphones) enables seamless interaction and facilitates centralized management and unified dispatching.



Rich Services

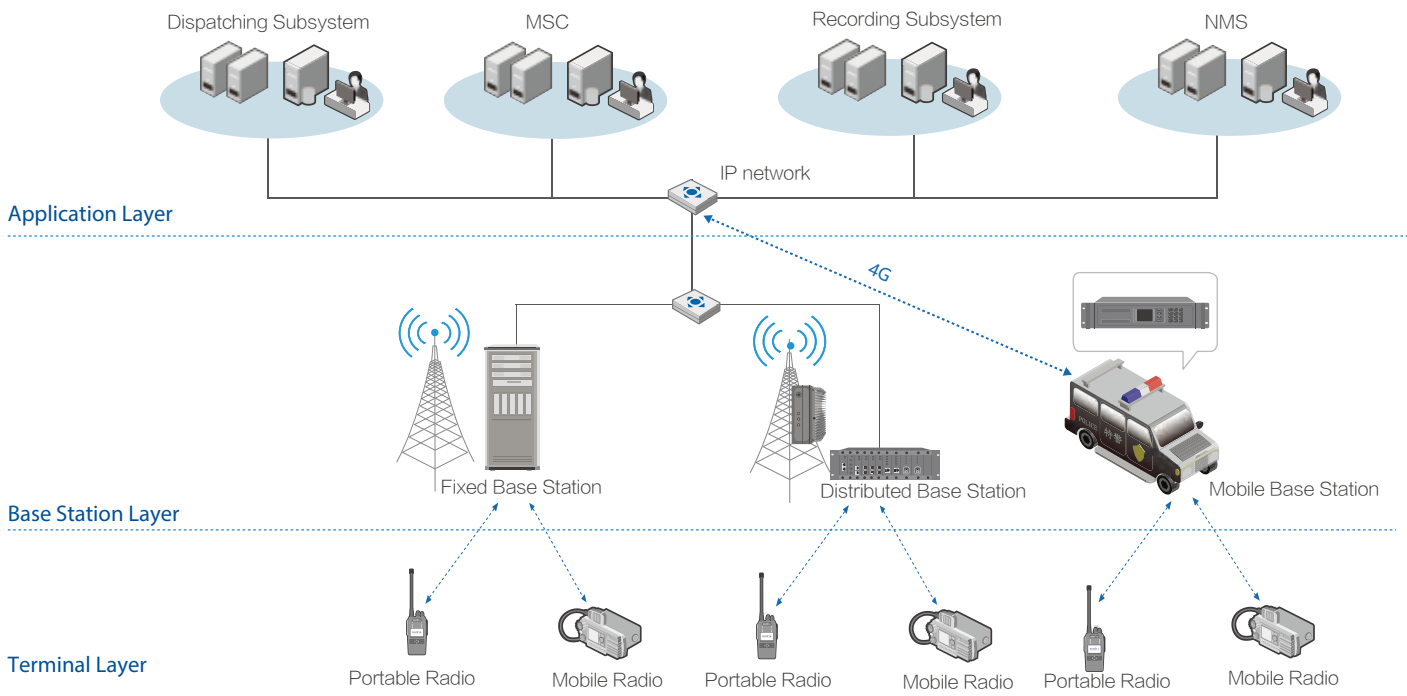
Aside from quality voice, data, and dispatching services, the system supports rich supplementary services to satisfy different user demands. Also, the system can interconnect different systems by using the SIP protocol.



Lower Operational Cost

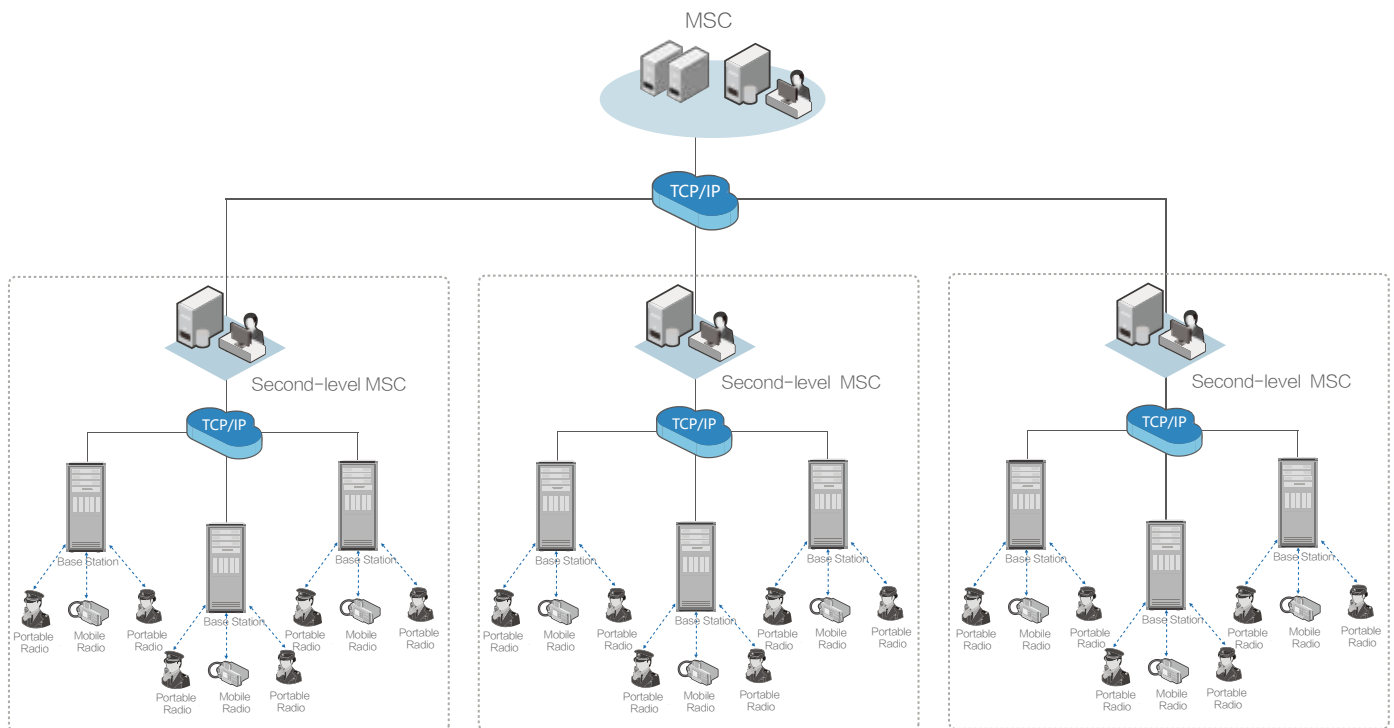
This system allows local or remote MSC, BS parameter configuring, version management, alarm, and log statistics to better manage and control the entire network.

Networking Topology



Multi-MSC Solution

The digital Trunking system can be configurable with first-level, second-level, and third-level core network, through the E1/IP link to realize multi-site multi-base-station networking.

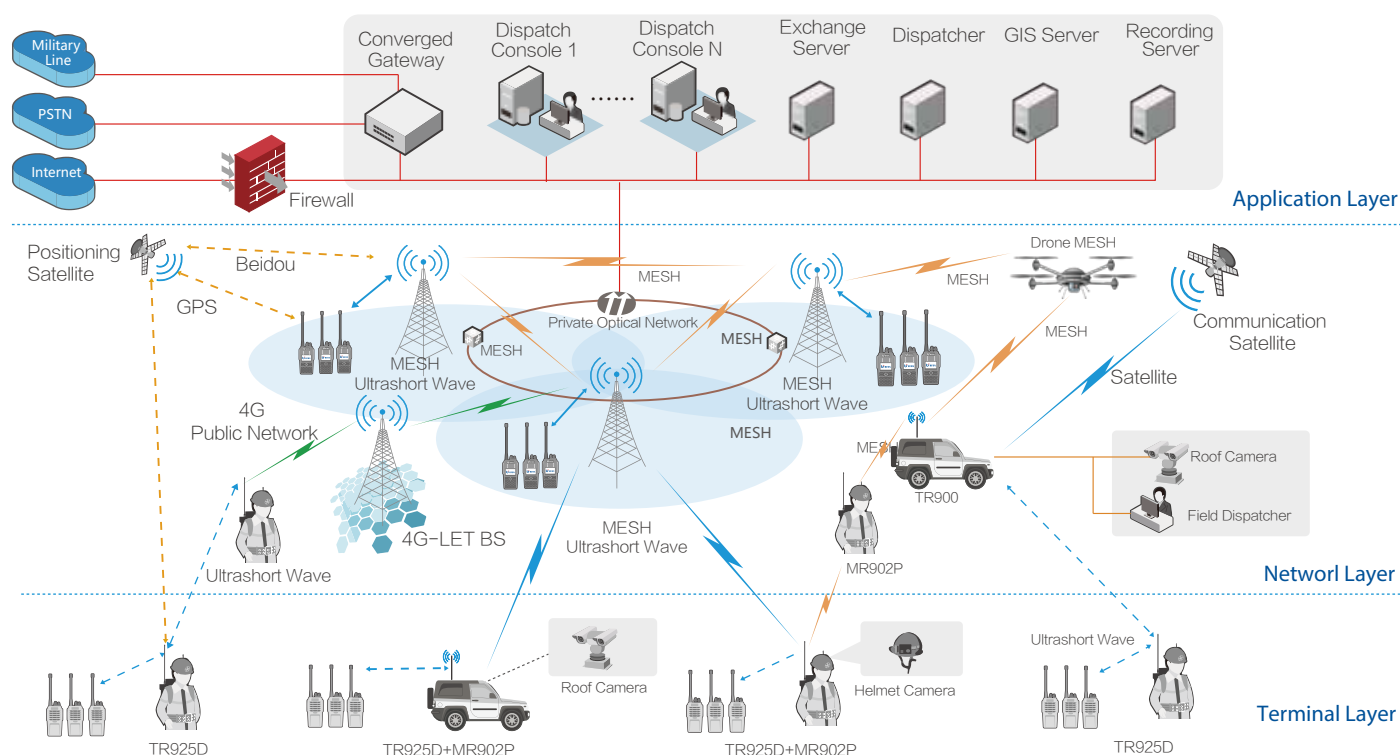


- Simulcast Solution
- Multi-Site Trunking Solution
- Single-Site Trunking Solution

- Converged Communication Solution
- VHF/UHF Solution
- Large Trunking Solution

EMERGENCY COMMUNICATIONS & RESPONSE SYSTEM

When disasters strike, a quick, informed and decisive response will save the day. Reliable networking, stable voice communications, swift dispatching, fast deployment and efficient coordination across different teams are of great importance when the unexpected happen. BelFone Emergency communications& response system adopts backbone –front command –detachment three-layer network for enhanced flexibility to tackle various scenarios. This system combines the best of wireless mesh network, ultra-shortwave communication, satellite communication, and 4G public network to guarantee efficient and stable communication. BelFone BMC system delivers enhanced features and functionality to facilitate unified deployment and management for effective emergency response.



Flexible Networking

The system can be opened to use and be used both independently and networking. It is built with clear command hierarchy for reliable guarantee. It is the dual purpose system that secures local repeater while establishing connections with higher-ups, and interconnect local and higher-up command network to facilitate skip-level command.

Full Coverage

The system integrates satellite, drone, and ground communication to form an air-space-ground full covered network for effective communication guarantee.

Integrated Broadband and Narrowband

Narrowband network provides voice and narrowband data services while the broadband network provides video communication and broadband data services, the system integrates broadband and narrowband networks to ensure timely and stable information sharing and facilitate efficient command.

Enhanced Encryptions

The system incorporates enhanced narrowband audio codec technology, digital error correction, security encryption technology, TF card encryption, AES256, ARC4, and other voice and data encryptions to enhance communication security.

Military Standard

System devices are designed by military-grade, featuring excellent security performance, and great heat dissipation components. It is rugged and durable to endure extreme environments and provide communication assurance.

3+3+3 Networking Designs

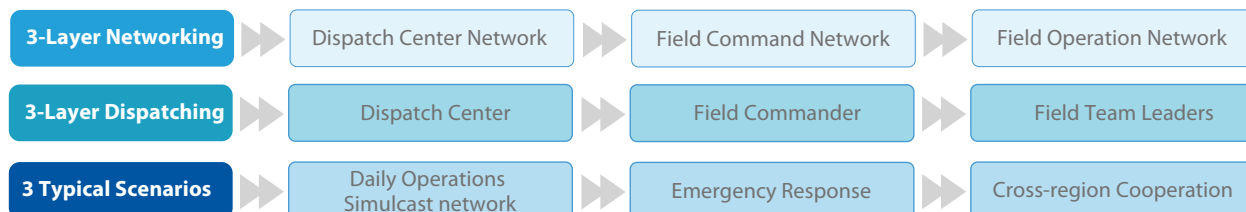
The "3+3+3" technology combines the daily commuting and emergency on-site communication of provincial, municipal, and county-level dispatch centers or command centers, swiftly and accurately conveying information for uninterrupted command and close coordination in combat operations.

Compact and Easy to Operate

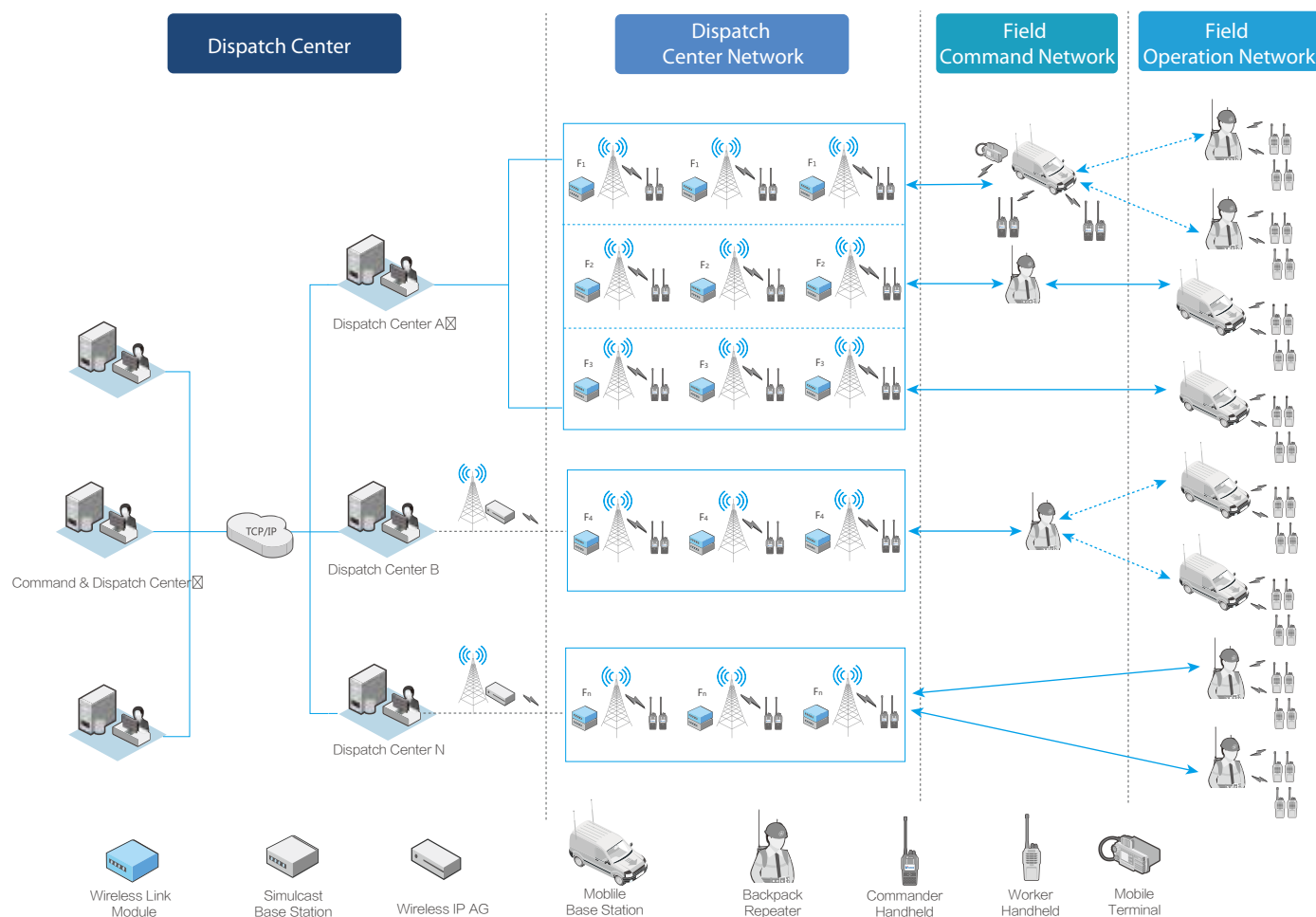
The system is engineered for mission-critical communications and its structure, electrical characteristics, and physical structure are designed to tackle various harsh environments. With good environmental adaptability makes setup, pullout, and transfer simple and fast.

UV Dual Band Dual Mode

Dual-band dual-mode technology addresses issues of low backbone network coverage and too much speech area, guarantees 100% ultra-short wave coverage. This feature achieves cross-band Trunking, combined with simulcast features to further improve the communication experiences.



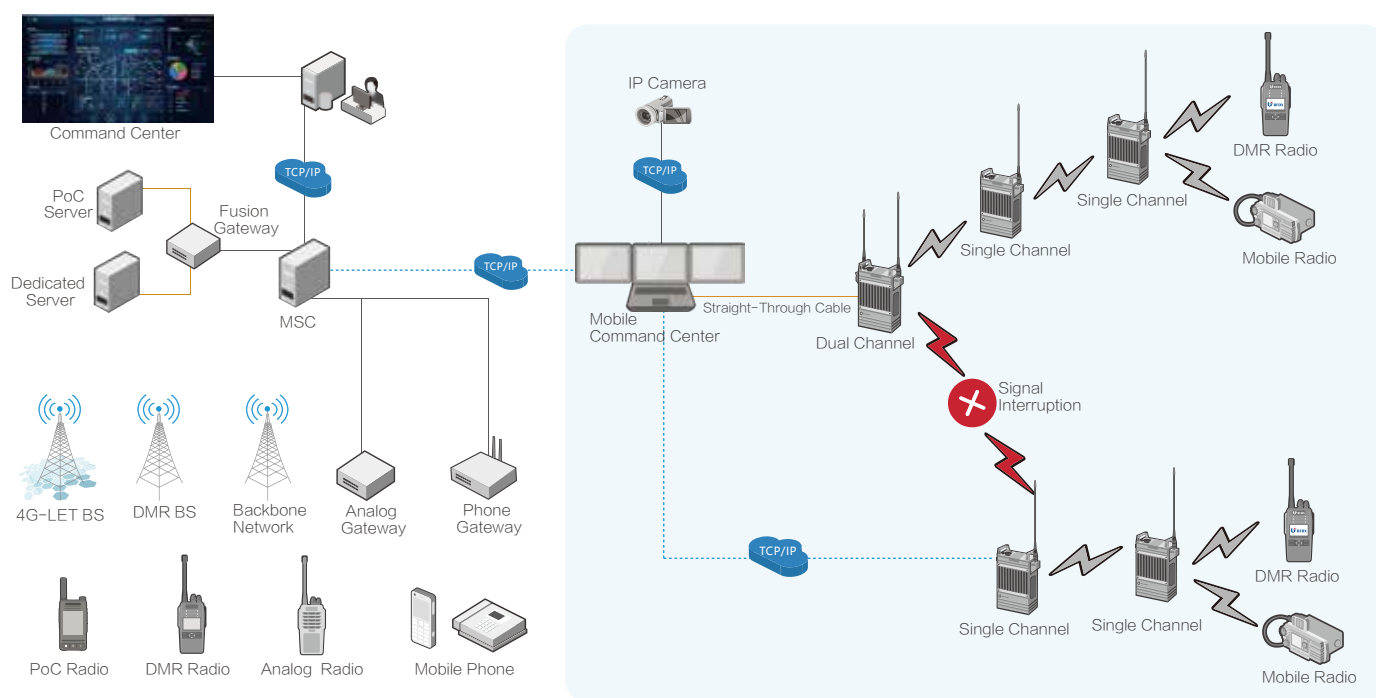
Networking Topology





MC-N(MISSION-CRITICAL NARROWBAND)

The BeIFone MC-N system, based on the DMR standard, is an independent command and dispatch solution. Leveraging narrowband Ad-Hoc network technology, it can swiftly set up an emergency communication network for any scenario. Each node in the network can connect to the command and dispatch console, facilitating comprehensive voice and GIS visual dispatch. The system can flexibly integrate with the backend command and dispatch platform through various network methods, offering enhanced communication services and interconnecting multi-level network commands.



Integrated Dispatch

Supports voice dispatch, audio dispatch, GIS dispatch, Trunking communication, network-wide recording, and other dispatching services.

Multi-Mode Access

This system supports the access of PDT/DMR terminal, analog terminals, PoC terminals, mobile phone, wired phone or Trunking Terminals.

Remote Communication

The system supports wired, 4G wireless, and other multiple network access ensures effective command and dispatch.

Multichannel Monitoring

The system supports multi-channel dispatch, allow to monitor other channel communications while performing voice dispatch, ensuring no information is missed.

Pre-Plan Setting

It supports pre-plan settings, enabling comprehensive communication across different frequency or network standards, and facilitating unified command and recording.

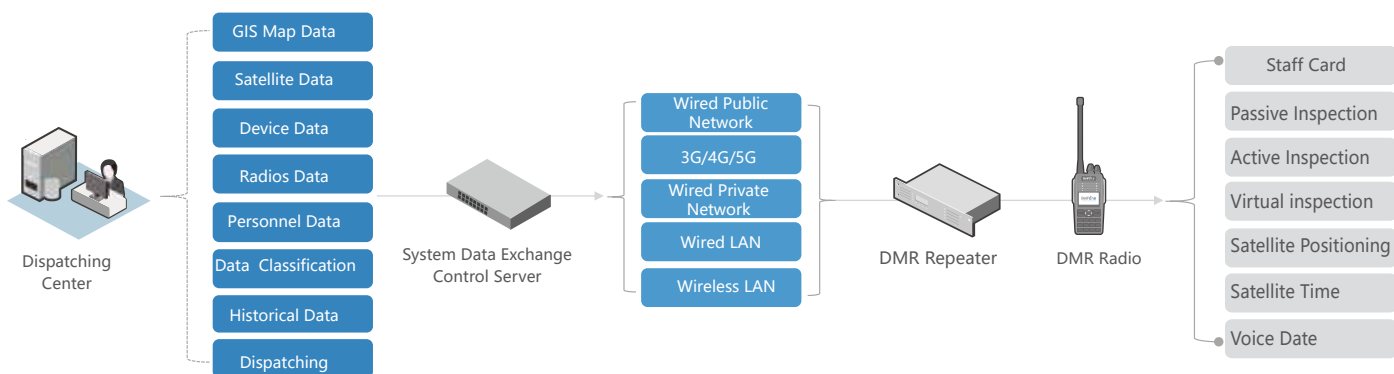
Signaling Dispatch

The system allows dispatch operations including online querying, casual calls, SMS, remote kill/revive, GPS polling, etc., to query device location, subscribe, and playback historical trajectory.



SDC (SMART DIGITAL IP CONNECT) SYSTEM

SDC intelligent IP connect system takes full advantage of DMR digital wireless technology and computer platform to integrate audio services, communication mode, data transmission, and other information applications. Aside from serving critical communications and voice dispatch, the SDC system also offers facilitation for effective staff and log supervision and management. The system allows IP interconnection through wired public networks, 4G networks, wired LANS, and wireless LANS, enabling cross-area coverage and cross-network dispatch.



Smart IP Interconnection

The system employs a B/S architecture and full IP technology, enabling intelligent IP interconnection. Intra-site communication only activates the local repeater. Cross-site individual calls activate the repeaters of the two involved stations. Cross-site group calls activate the repeaters belonging to the group.

Intelligent Management Platform

Cloud-based deployment makes construction simpler and maintenance costs lower, thereby enhancing management and improving work efficiency. The system effectively integrates voice communication with patrol clocking, avoid carrying too many devices and satisfy requirements for daily communication and patrol records.

Intelligent Patrol Management

The system allows passive inspection points, active inspection points, and virtual inspection points. Terminals with RFID functionality enable shift handovers and patrol check-ins. This platform enables patrol routes and rules establishment, checkpoint information query, and indoor personnel location track.

Command and Dispatch Management

The system fully utilizes client and command dispatch consoles to achieve integrated management of real-time voice, positioning, and data services for selected terminals within the system. It facilitates the interconnection of users at different layers and enables unified command, dispatch, and centralized management across different formats and networks through converged gateways.

Rich Voice Services

The system can support various voice dispatch functions including individual call/group call/all call, casual group call, dynamic group call, etc. Enables quick grouping, group monitoring, forced group switching, alarm voice uploading, and voice monitoring to facilitate onsite monitoring and satisfy various dispatching needs in different scenarios.

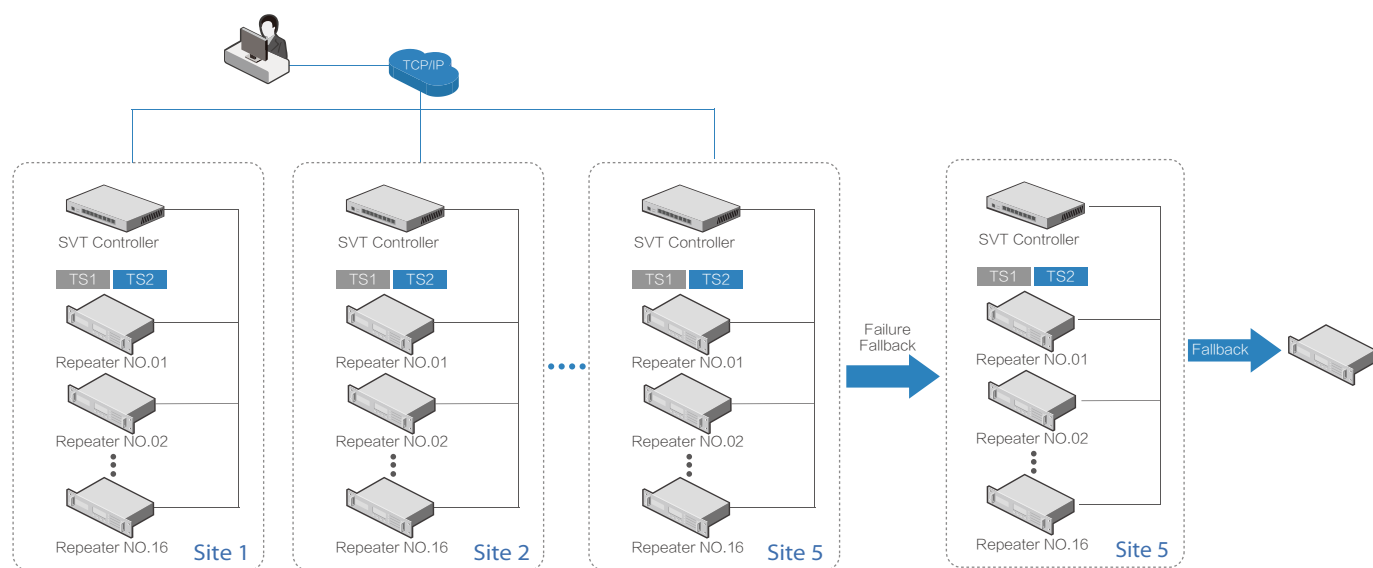
Data Management and Tracing

The system provides real-time data entry, management, and historical data including alarms, patrols, attendance, recordings, shift handovers, location tracking, dispatching, power on/off status, online/offline status, and message sending. This facilitates event management and tracing.



SVT (SMART VIRTUAL TRUNKING) SYSTEM

BF-8200 Smart Virtual Trunking System (SVT) is an intellectualized Trunking system that integrates digital voice, SMS, GPS, and unified dispatching platforms. BF-8200 supports a maximum 16 repeaters with 32 traffic channels, and can flexibly allocate idle channels to improve channel utilization. Therefore, communication problems such as traffic density, concurrency tasks, and too many work groups can be easily solved. SVT could also interconnect different systems by deploying the gateway access to the telephone system and broadcasting system, etc.



Dynamic Channel Allocation

The system effectively integrates channel resources through base station controllers, enabling real-time unified channel management and allocation. This facilitates multi-channel sharing, effectively improving the channel utilization and call completion rates.



Flexible Deployment

Providing flexible deploy modes for different working environments (single-site, multi-site interconnection, access visual dispatching system, etc.) can not only meet daily communication needs but also can be used to carry out emergency command and dispatching.



Base Station Controller

SVT supports a backup controller solution. When the master controller breaks down, the backup controller will automatically take over to ensure the system run normally.



Balanced Repeater Load

SVT can assign different active groups to different repeaters evenly to dynamically allocate channel resources, effectively eliminate call collision, improve the call success rate, and balance the repeater load.



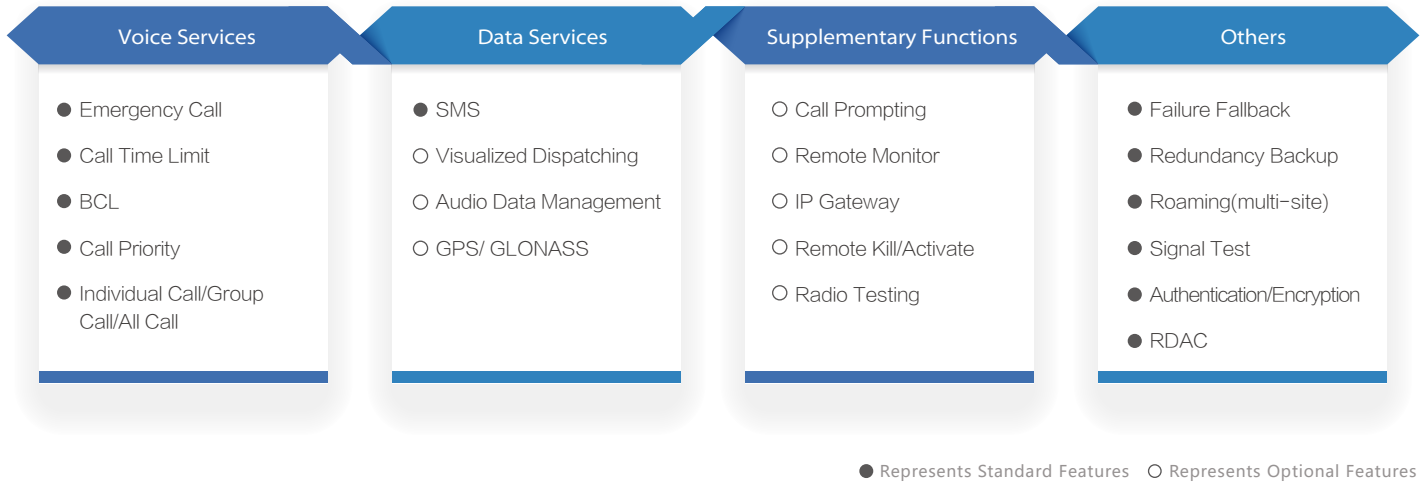
Visualized Command and Dispatch

SVT employs GIS, internet, wireless communication, and cloud-computing technologies to provide voice communication, real-time dispatching (individual call/group call/all call, etc.), casual call, GIS, and broadcasting services, helping to improve work efficiency and responsiveness.

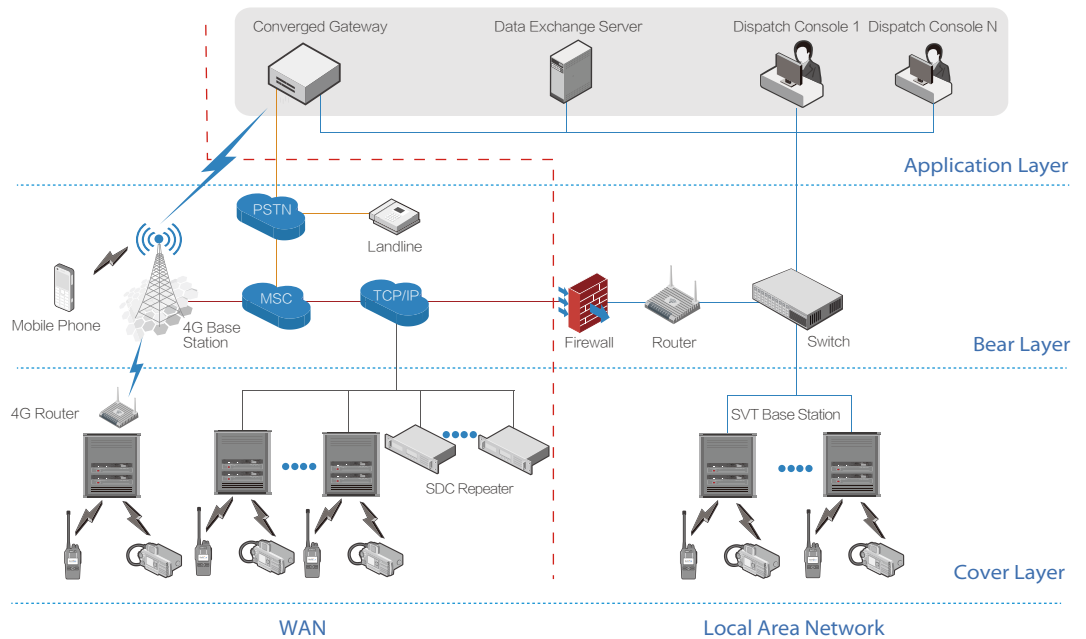


Enhanced Failure Fallback

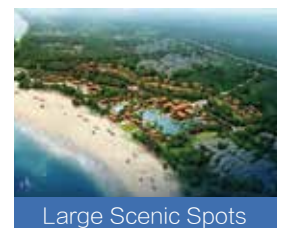
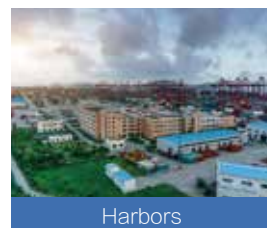
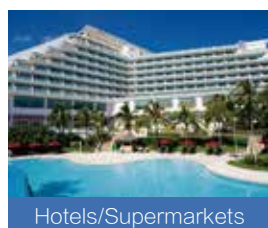
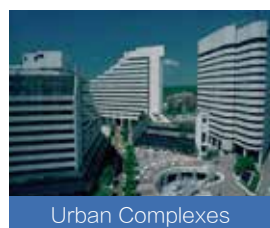
In both single-site and multi-site interconnection mode the SVT system enables fallbacks to a single repeater to ensure the service runs normally when the master controller breaks down and guarantee smooth communication.



Networking Topology



SYSTEM COMPOSITION

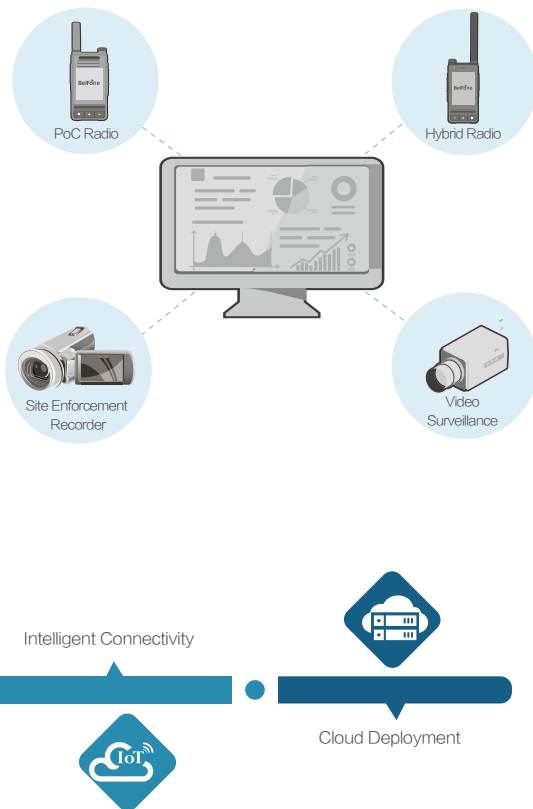




PROCHAT IOT CLOUD SYSTEM

BelFone ProChat IOT Cloud platform is a comprehensive management application for cloud deployment, consists of conference system, alarm system, positioning system, communication system, monitoring system, and IOT system. It is flexible to be used with video, alarm, patrol, and visual communication devices to bring device management, staff management, video /audio conference, instant chat, patrolling clock-in, visual talkback, digital map, data analysis, and other services. Utilizing cloud deployment, BelFone ProChat platform effectively breaks down application barriers of different subsystems and collaboratively work different terminals, achieves integrated management, and saving construction and operating costs.

BelFone ProChat platform integrates talkback, dispatching, video, management, and IOT services. It delivers comprehensive functions and helps public security, armed police, border defense, urban management, railway, forestry, petroleum, transportation, government agencies, and large gathering users to improve response efficiency and bring intelligent communication.



Customer Layer	 Dispatching Client	 Network Management Client	 APP-Client	
Application Layer	Trunking service Audio/Video Service Dispatching Service IOT Service			
Platform Layer	Talkback/Intercom Dispatching Business Media Video Location Recording Playback Conference Querying Data SOS			
Terminal Layer	PoC Radio Intelligent Hybrid Radio Site Enforcement Recorder IOT etc.			

Rich Services

BelFone ProChat system is flexible with wired networks and wireless networks to access and manage PoC radios, site enforcement recorders, multimode radios, etc. Enabling nation-wide communication and significantly reducing construction and operational costs.

Comprehensive Management

The system supports voice communication, personnel positioning, video communication, multimedia messages, patrol clock-in, and other functions to satisfy different communication demands. It enables users to check radios, site enforcement recorders, and other terminals in real-time and supports dispatching, command, statistic analysis, and visual multi-level dispatching, providing powerful data management support and improving dispatching efficiency.

IoT Networking

The BelFone ProChat IoT Cloud System features great IOT expansion capacity, and it is flexible access to embedded devices, Tracker-type positioning terminals, wearable devices of watches-/wristbands/canes, environmental monitoring devices of pressure, temperature, humidity, PM2.5, and more.

Trunking Communications

BelFone ProChat system supports individual call, group call, full duplex individual call, enables predefined group call, temporary group call, dynamic regroup, map area group call, as well as half and full duplex individual call among terminals. Besides that, the system also allows to set call priority.

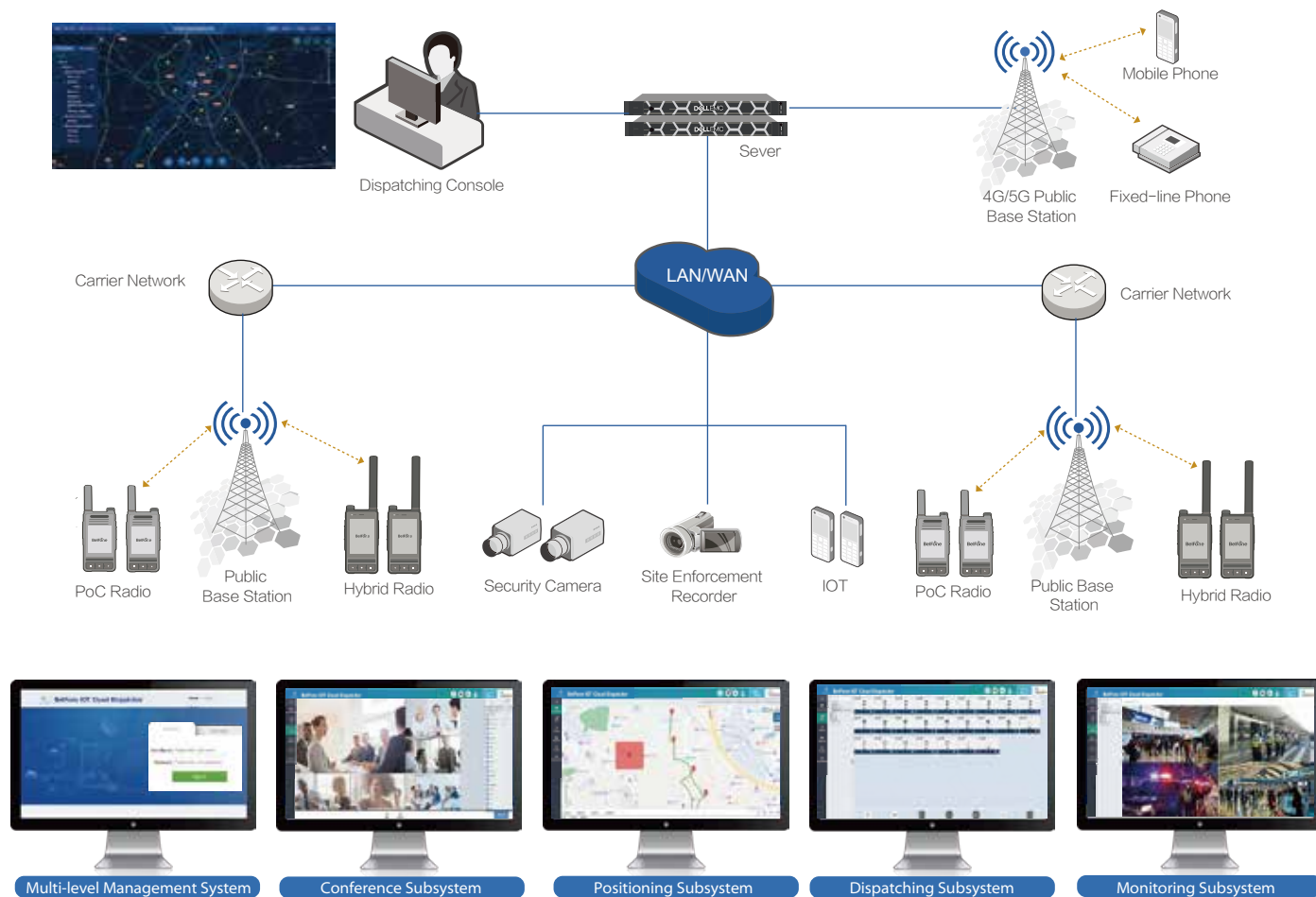
Visual Communication

The system supports point-to-point video call, video polling, video forwarding, and management. Terminals connect staff of different regions by launching individual call and group call to share accurate on-site information. Also, the dispatching console has the capacity to forward video information to desired terminals to ensure timely information sharing. Besides that, video data can be synchronized postback to the dispatch console, facilitating video data storage and management.

Cloud Deployment

The system provides a comprehensive range of options for cloud server deployment and node selection that is availed for those mainstream cost-effective and mature cloud sever (Aliyun, Tencent Cloud, Baidu Cloud, HiCloud aws, Azure, IBM, Google Cloud, etc.).

Networking Topology



- DMR Portable Radio
- PoC Portable Radio
- Multimode Radio
- DMR Repeater
- DMR Mobile Radio
- DMR Tier 2 Solution
- DMR Tier 3 Solution
- Smart DMR+PoC Radio Solution
- Emergency Communication Solution



COMMUNICATION FOR EFFICIENCY AND SAFETY

BASE STATION

BelFone Base Station is a carrier-level DMR Trunking base station designed with the unit module, featuring enhanced extensibility and rich functions. It supports failure fallback, inter-site call handling, whole site backup for improved security and efficiency, as well as incorporates a perfect backup mechanism to enhance reliability.



**EFFICIENT
NETWORKING**



**HIGH
RELIABILITY**



**FLEXIBLE
FREQUENCY USAGE**



**FLEXIBLE
DEPLOYMENT**



**POWERFUL
PERFORMANCE**



**GREAT HEAT
DISSIPATION**



**CONVENIENT
MANAGEMENT**



BF-TR950 UHF DMR Trunking Base Station

- Base Station Failure Fallback
- Carrier Failure Isolation
- Excellent RF Performance
- Blade Mounted Structure
- Key Components Backup
- Maximum 8 Carriers Per Site
- Intelligent Fan Speed Temperature Control



BF-TR951 UHF VHF DMR Stackable Trunking Base Station

- UHF/VHF
- Military Level Structure
- Distributed Carrier Solution
- Carrier Power Supply
- Base Station Failure Fallback
- Carrier With Superior Heat Dissipation



BF-TR952 UHF Digital Distributed Trunking Base Station

BF-TR952 is a cost-effective Trunking base station for fast network establishment. Functioned as network access device, BF-TR952 is used to manage wireless access including air interface, access control, mobility control, user resources assignment, etc. BF-TR952 consists of BBU952 and RRU952. It featured flexible deployment to suit different networking scenarios and brings better covering performance.

- Wide Coverage
- IP67 Protection
- Fast Expanding
- Highly Integrated
- Exceptional Reception
- Pole Mounted/Wall Mounted
- Remote Operation Capability
- Multi-carrier 4*20W Transmission

BF-TR955 UHF Mobile Base Station

- Highly Integrated
- Flexible Deployment
- High Reliability
- DPD Technology
- 5-Lines Transmission
- IP67 Protection
- 8-Lines Transmission



BF-TR930 UHF Trunking Base Station

- Modular Unit
- Highly Integrate
- 19-Inch 4U Structure
- Resource Management
- Processing Dispatching Services
- Expend Single Site to 4 Carrier



The Belfone digital repeater series strictly followed DMR standard, Its powerful digital feature, superior communication quality, and ergonomic design surely will provide you a fresh experience in digital communications. efficient communication, thereby meeting users' different requirements at different stages.



**GREAT HEAT
DISSIPATION**



**ANALOG/ DIGITAL
SWITCHABLE**



**FLEXIBLE
APPLICATIONS**



**DIGITAL
ENCRYPTION**



**LOW
NETWORKING COST**



2-TIME SLOTS



WIDE COVERAGE



BF-TR925 Portable Professional DMR Repeater

- IPSTN
- Multiple Modes
- IP68 Protection
- Military Grade
- Flexible Networking
- Beidou Short Message
- Dual-Mode Satellite Positioning
- Portable Deployment Mode

Power Output: 5-50W (Continuous)
Frequency Range: VHF: 136-174MHz;
UHF: 400-480MHz; UHF2: 450-520MHz;
UHF3: 350-400MHz
Channel Capacity: TR925L: 2048 TR925M: 3776



BF-TR925D UV Dual Band Repeater

- IP68 Protection
- Military Grade
- High Compatibility
- Flexible Networking
- Flexible Networking
- Beidou Short Message
- Ad Hoc networking function
- Dual-Mode Satellite Positioning

Power Output: 5-25W(Continuous);
Manpack:3-15W(Continuous)
Frequency Range:V+U:136-174MHz + 400-480MHz;
V+U3:136-174MHz + 350-390MHz
Channel Capacity:3776 A/B

BR1050 Professional DMR Repeater

- Excellent Heat Dissipation
- Common-Frequency Broadcasting System
- Floating Charge/ Stand-by Power Supply
- Analog/Digital Back-to-Back Application
- GPS Satellite Positioning
- Basic/Smart IP Connect
- Malfunction Warning System



Power Output: ≤50W
Frequency Range: VHF:136-174MHz
UHF:350-400MHz/400-480MHz/450-520MHz Channels:99

BF-TR8500 Digital Repeater

- 50W Output Power
- Malfunction Warning
- Active Heat Dissipation
- Built-in Power Supply
- Emergency Float-Charge
- GPS Satellite Positioning



Power Output: 5-50W (continuous)
Frequency Range: VHF: 136-174MHz;
UHF: 400-480MHz; UHF2: 450-520MHz; UHF3: 350-400MHz Battery Capacity: 99

BF-TR900 Professional Repeater Module

- 50W Power Output
- IP54 Protection
- Centerless IP Interconnection
- BDS Short Message
- Superior Heat Dissipation
- Multimode Satellite Positioning
- Well Self-Adaptability



Power Output: 5-50W (continuous)
Frequency Range: VHF: 136-174MHz;
UHF: 350-400MHz, 400-480MHz, 450-520MHz Channels: TR900L:2048; TR900M:3776

BF-SFR600 Single Frequency Repeater

- Base Station
- Repeater Dual Mode
- Power-on Password
- IP Multi-sites Connectivity
- Great Heat Dissipation
- Extend DMO Communication Distance



Power Output: 10-50W
Channel Capacity: 1024
Frequency Range VHF: 136- 174MHz/UHF: 350-390MHz/UHF: 400-470 MHz

BelFone multi-mode radio series supports both broadband network and narrowband communication that flexibly enables digital/analog/ PoC public communication to satisfy different communication requirements, covering communication blind zone, and extended communications. With rich application features, it ensures the reliability of critical voice communication while meeting users' needs for application integration and efficient information transmission.



PUBLIC & PRIVATE
DUAL STANDBY



4G
ALL-NETWORK



DISPATCHING
SYSTEM ACCESS



MULTIPLE
WORKING MODES



FRONT AND REAR
DUAL CAMERAS



WIFI/NFC
BLUETOOTH



EMERGENCY
ALARM



BF-SCP960 Smart Converged Radio

- IP68 Protection
- 4G Dual Card Dual Standby
- 5.6-inch IPS Screen
- 4G DMR Communication
- WIFI/Bluetooth/GPS/NFC
- Best-in-Class Audio Quality
- Narrowband Smart IP Interconnect System

Output Power: ≤3W
Camera: 3MP+21MP
Dimensions: 182mm×85.8mm×21.20mm



BF-SCP950 Smart Converged Radio

- WIFI/GPS/NFC/Bluetooth
- 4G All Network
- Multimedia Applications
- IP68 Protection
- HD Front and Rear Cameras
- Multi-Mode Hybrid

Output Power: ≤4W
Camera: 8MP+21MP
Frequency Range: VHF: 136-174MHz (Optional)
UHF: 350-390MHz/ 400-480MHz/ 450-520MHz
Channels: 100 Battery Capacity: 2850mAh



BF-SCP970 Smart Converged Radio

- LTE/WIFI
- 4G All-Network
- IP68 Protection
- DMR+LTE+PoC
- Dual Rugged Screen
- Satellite Positioning
- Broadband-narrowband Convergence

Output Power: ≤4W
Camera: 13MP+8MP
Battery Capacity: 4200mAh
UHF: 350-400MHz, 400-470MHz



BF-SCP860 Smart Converged Radio

- VOLTE
- IP68 Protection
- Rich Applications
- Precise Positioning
- Front & Rear Cameras
- 4G All-Network Trunking
- Private Network Trunking
- Public-Private Integration

Output Power: ≤5W
Frequency Range: VHF: 136-174MHz
UHF: 400-470MHz/UHF: 350-400MHz
Camera: 8MP+3MP
Battery Capacity: 2400mAh/3500mAh



BF-SCP810 Smart Converged Radio

- 4G All-networking
- PoC Trunking
- Private Network Communication
- Double PTT and simplifies design
- Multiple positioning Modes
- RFID/NFC/IP68 Protection
- Smart Dispatch and Efficient Management

Output Power: ≤5W
Camera: 5MP+8MP
Frequency Range: 400-480MHz
Channels: 1024
Battery Capacity: 4000mAh



BF-TP800 Dual-mode Rugged Radio

- Multi-Mode Hybrid
- Multi-Active Split-Screen
- Smart Gateway
- Dual PTT and Simplified Design
- 5000mAh Extended Battery Life
- GPS positioning
- Bluetooth/Recording
- Intelligent Gateway Mode

Output Power: ≤5W
Frequency Range: UHF: 400-480 MHz/350-400 MHz
Channels: 100
Battery Capacity: 5000mAh

Belfone BP series, a new generation DMR/PDT professional radios, is a new designed DMR radio with breakthrough advancements to cover a wider communication range, better audio effect, and quicker response. With user-friendly interactive design and excellent secure performance, Belfone BP series brings simple, comprehensive, and efficient communication.



AI NOISE
REDUCTION



FULL DUPLEX CALL



RICH
FUNCTIONS



IP68
PROTECTION



WIDER COVERAGE



MULTIPLE
ENCRYPTIONS



ANTI-INTERFERENCE



BP860 Professional DMR Radio

- AI Noise Reduction
- Full Duplex Call
- GPS Positioning
- Superheterodyne Circuit
- Single Frequency Repeater
- Ad hoc Networking
- BT/Voice Recording/TF Card Encryption

Output Power: ≤5W
Frequency Range: VHF:136-174MHz;
UHF:400-480MHz;UHF2:450-520MHz; UHF3:350-400MHz
Channels: 1024
Battery Capacity: 2400 mAh/3350 mAh



BP750 Professional DMR Radio

- Superheterodyne Circuit
- Single Frequency Repeater
- Full Duplex Calls
- Advanced Encryption
- Stealth Mode
- Multi Versions & Functions
- Ad hoc Networking
- Bluetooth
- 5.0/Recording/TTS

Output Power: ≤5W
Frequency Range: VHF: 136-174MHz ;
UHF: 400-480MHz/450-520MHz/350-400MHz
Channels: 1024
Battery Capacity: 2300mAh



BP660 Professional DMR Radio

- Dual Standby & Dual Transmitting
- AI Noise Reduction
- Multiple Encryptions
- Three Types of Alarm
- IP68 Protection
- Multiple Alarms
- Recording/Bluetooth
- GPS/GALILEO/GLONASS

Output Power: ≤5W
Frequency Range: VHF:136-174MHz,
UHF:400-480MHz;UHF2:450-520MHz;UHF3:350-400MHz
Channels: 1024
Battery Capacity: 2000mAh



BP620 Professional DMR Radio

- AI Noise Reduction
- Satellite Positioning
- IP68 Protection
- Multiple Encryptions
- TDMA Two Time-Slots
- RF Optimization
- Multiple Alarms
- GPS/GALILEO/GLONASS

Output Power: ≤5W
Frequency Range: VHF:136-174 MHz;
UHF3:350-400 MHz; UHF:400-480 MHz
Channels: 1024
Battery Capacity: 2000mAh



BP610 Professional DMR Radio

- AI Noise Reduction
- IP68 Protection
- Compatible Digital/Analog
- TDMA Two Time-Slots
- Battery Saving/ Low Battery Alert
- Multiple Alarms
- GPS/GLONASS/GALILEO

Output Power: ≤5W
Frequency Range: VHF:136-174 MHz;
UHF3:350-400 MHz; UHF:400-480 MHz
Channels: 1024

BeIFone digital handheld terminals are based on DMR standards, and they are better and faster for transmission, sound quality, and encryptions. It has both digital and analog modes and can automatically switch according to the received signal. The good compatibility with traditional analog guarantees a smooth transition from analog to digital. It supports DMR Trunking with status information, SMS, satellite positioning, and emergency alarm, etc., which meet the high standard requirements of communication in different industries, and can quickly respond to professional customers anytime and anywhere.



DOUBLED CHANNEL
CAPACITY



TDMA DMO



EXCELLENT
AUDIO PERFORMANCE



LONG
BATTERY LIFE



MULTIPLE
BUSINESS FUNCTIONS



EFFICIENT
UTILIZATION



BF-TD950 Professional DMR Radio

- Full Duplex CallsSate
- Satellite Positioning
- IP68 Protection
- User Authentication
- Personnel Safety
- GPS Positioning
- A Long Battery Life
- Different Call Types

Output Power: <5W
Frequency Range: VHF:136-174 MHz
UHF: 400-480 MHz
Channels: 4000
Battery Capacity: 3350mAh



BF-TD930 Professional DMR Radio

- Full Duplex Call
- Handheld/ SFR Dual Modes
- IP68 Protection
- Automatic Roaming
- SOS/Mandown/Lone worker
- Flexible Network Expansion
- Stealth Mode
- Ad-hoc Network

Output Power: ≤5W
Frequency Range: VHF: 136-174MHz;
UHF: 400-480MHz; UHF2: 450-520MHz;
UHF3: 350-400MHz Channels: 1024 Battery
Battery Capacity: 2300 mAh / 3350mAh



BF-TD920UV Professional DMR Radio

- Full Duplex Call
- TF Card Encryption
- One Key Alarm
- Vibration Mode/ Stealth Mode
- AES256/ARC4 Encryption
- TDMA

Output Power: ≤5W
Frequency Range: VHF: 136-174MHz;
UHF: 400-480MHz
Channels: 3773
Battery Capacity: 2500 mAh



BF-TD910UV Professional DMR Radio

- User Authentication
- Automatic Roaming
- Superior Audio Quality
- Information Security
- DMO True 2-Time Slots
- UV Dual Bands
- IP68 Protection
- Anti-Eavesdrop Encryption

Power Output: ≤5W
Frequency Range: VHF:136-174MHz; UHF:400-480MHz
VHF+UHF: 350-400MHz
Channels: 3773 Battery Capacity: 2500mAh



BF-TD510 Professional DMR Radio

- Automatic Roaming(Programmable)
- IP68 Protection
- DMO True 2-Time Slots
- Voice Recording
- GPS/ GLONASS
- Advanced Encryption with RC4 Technology

Output Power: ≤3.5W
Frequency Range: VHF:136-174 MHz; UHF:350-400
MHz; UHF:400-480 MHz; UHF:450-520 MHz
Channels: 160
Battery Capacity: 2000 mAh



BF-TD511 Professional DMR Radio

- DMO True 2-Time Slots
- Digital/Analog Dual Modes
- Man-down/Lone-woker
- Automatic Roaming (Programmable)
- Voice Recording
- IP68 Protection
- GPS/GLONASS
- Advanced Encryption with RC4 Technology

Output Power: ≤3.5W
Frequency Range: VHF:136-174 MHz; UHF:350-400
MHz; UHF:400-480 MHz; UHF:450-520 MHz
Channels: 512
Battery Capacity: 2000 mAh



BF-TD880 Professional DMR Radio

- RFID
- Talk Priority
- Roaming
- Geo Fence
- 1.8 inch Display
- TDMA 2 time Slot
- DMR Standard Telemetry

Output Power: ≤5W
Frequency Range: VHF:136-174 MHz
UHF:350-400MHz UHF: 400-480 MHz 450-520 MHz
Channels: 512
Battery Capacity: 2000 mAh



BF-TD872 Professional DMR Radio

- VOX
- Digital/analog Dual Modes
- Excellent Audio Quality
- Scan/Monitor(Programmable)
- DMO Pseudo Trunk
- Radio Priority-Based Interruption
- IP66 Protection

Output Power: High power: 5W; Middle power: 3W;
Low power: 1W
Frequency Range: VHF: 136-174MHz;
UHF: 350-390MHz/ 400-480MHz/ 450-520MHz
Channels: 128
Battery Capacity: 2600mAh



BF-TD526 Professional DMR Radio

- Digital/Analog Dual Mode
- MIC Noise Reduction
- Long Standby
- IP54 Rating Protect
- Long Talk Range
- Voice Encryption
- Wireless Bluetooth

Output Power: <5W
Frequency Range: VHF: 136-174MHz;
UHF: 350-400MHz/400-480MHz/ 450-520MHz
Battery Capacity: 1800mAh



BF-TD520 Professional DMR Radio

- VOX
- Digital/Analog Dual Modes
- Longer Battery Life
- Small Size and Light Weight
- Excellent Audio Quality
- Scan/Monitor(programmable)
- TDMA True 2-Time Slots
- Digital/Analog Mixed Mode

Output Power: ≤5W
Frequency Range: VHF: 136-174MHz;
UHF: 350-400MHz; UHF: 400-480MHz;UHF2:450-520MHz
Channels: 256
Battery Capacity: 2500 mAh



BF-TD516 Commercial DMR Radio

- VOX
- Small Size and Light Weight
- Excellent Audio Quality
- Scan/Monitor(programmable)
- TDMA True 2- Time Slot
- Digital/Analog Mixed Mode

Output Power: ≤5W
Frequency Range: VHF: 136-174MHz;
UHF:350-400MHz;UHF: 400-480MHz; UHF: 450-520MHz
Channels: 32
Battery Capacity: 1800 mAh



BF-TD515 Commercial DMR Radio

- 1.4 inch
- LCD Screen
- Digital/Analog Dual Modes
- Longer Battery Life
- Small Size and Light Weight
- Scan/ Monitor
- TDMA True 2- Time Slot
- Digital/Analog Mixed Mode

Output Power: ≤5W
Frequency Range: VHF: 136-174MHz;
UHF: 400-480MHz/350-400MHz
Channels: 1024
Battery Capacity: 1800 mAh



BF-TD588UV UV Band Amateur Digital Radio

- VFO/MR Mode
- Dual Standby
- Safety Warning and Monitoring
- MIC Audio Noise Reduction
- AES256/ARC4 Encryption
- GPS/Beidou/GLONASS/Galileo

Output Power: <5W
Frequency Range: VHF:136-174 MHz
UHF: 400-480 MHz
Battery Capacity: 2000mAh



OG308 Commercial DMR Radio

- Ultra-Slim Design
- Hidden Display
- AI Noise Reduction
- Channel Copy
- Wide Coverage
- Bluetooth Connection

Output Power: ≤4W
Frequency Range: UHF:400-480 MHz
Channels: ≤125
Battery Capacity: 2200mAh

BelFone professional digital mobile radio series strictly follows PDT/DMR Trunking and conventional standards, featuring compact size, easy installation, convenient operation, sensitive reception, strong transmit power, clear and loud voice, etc. It adapts to the communication needs of different scenes and comprehensively improves the management efficiency of users.

50W

50W
OUTPUT POWER



WIDE COVERAGE



MULTIPLE MODES



MULTIPLE
POSITIONING



SEAMLESS ROAMING
ACROSS REGIONS



RICH
APPLICATIONS



MULTIPLE
ENCRYPTIONS

BF-TM950

Trunking Mobile Radio



BF-TM8500

Trunking Mobile Radio



BF-TM8250

Trunking Mobile Radio



BelFone PoC radios support GSM/3G/4G/LTE networks, which offer nationwide coverage for your PTT communications. Especially, 4G networks give it a higher data transfer rate and reduced latency and thus enable the user to communicate with unprecedented speed and efficiency.



BF-CM630 4G PoC Radio

- 4G All-Network
- Dual Card Dual Standby
- Bidirectional Charging
- OTA Remote Upgrade
- Great Adaptability
- Long Battery Life

Support network System:
LTE-FDD: B1/B3/B5/B8; LTE-TDD: B38/B39/B40/B41
Battery Capacity: 3000mAh



BF-CM629 4G PoC Radio

- Nationwide Coverage
- Dual SIM Cards
- Multiple Charging Modes
- Individual, Group and All Calls
- Built-in GPS

Support Network System: LTE-FDD: B1/B3/B5/B8;
LTE-TDD: B38/B39/B40/B41; WCDMA: B1/B8;
TD-SCDMA: B34/B39; EVDO/CDMA: BC0;
GSM: 900/1800MHz
Battery Capacity: 3000mAh



BF-CM626S 4G PoC Radio

- 1.8-inch LCD Screen
- Flat Interface
- 4G All Network
- Diverse Network Coverage
- Built-in Bluetooth
- Dispatch Application
- Real-time Radio Status
- Over-the-air-programming

Support Network System: FDD-LTE: B1/B3/B5;
WCDMA: B1/B5/B8; CDMA/GSM; TDD-LTE:
B38/B39/B40/B41; TD: B34/B39;
Battery Capacity: 5200mAh



BF-CM625 4G PoC Radio

- Bluetooth/WIFI
- Visual Dispatch
- Push-to-talk over 4G/LTE Networks
- Long Battery Life
- Multiple Charging Modes
- Over-the air Programming

Support Network System: FDD-LTE: B1/B3/B5;
WCDMA: B1/B5/B8; CDMA/GSM; DD-LTE:
B38/B39/B40/B41; TD: B34/B39;
OS: Android 4.4
Battery Capacity: 5200mAh

BellFone analog terminal series is regarded as the classic of analog technology in the industry. We have successively mastered dozens of professional wireless communication patented technologies including speech recognition and single-point modulation. The product still maintains excellent performance in high-intensity and diversified environments. The BellFone analog series has made remarkable achievements in the voice quality and FM and RF output of analog products, noise reduction, and anti-interference stability.



**FIDELITY
SOUND QUALITY**



SAFE & STABLE



**STRONG ANTI
INTERFERENCE**



**LONG
STANDBY**



WIDER COVERAGE



**DIVERSIFIED
DESIGNS**



BF-AP8016 Analog Two-way Radio

- VOX
- Channel Matching
- Squelch Level
- Type-C Charging Mode
- Busy Channel Locking
- LED Indicator
- CTCSS/CDCSS
- PC+ABS Material
- Special signaling
- Noise Reduction

Output Power: ≤5W
Frequency Range: UHF: 400-480MHz
Channels: 16 Battery Capacity: 2000mAh



BF-AP5016 Analog Two-way Radio

- VOX
- Channel Matching
- Squelch Level
- Type-C Charging Mode
- Busy Channel Locking
- LED Indicator
- CTCSS/CDCSS
- Low Battery Alert
- Noise Reduction

Output Power: ≤5W
Frequency Range: UHF: 400-480MHz
Channels: 16 Battery Capacity: 1800mAh



BF-AP3018 Analog Two-way Radio

- VOX
- Channel Matching
- Type-C Charging Mode
- Busy Channel Locking
- LED Indicator
- CTCSS/CDCSS
- Special Signaling
- Noise Reduction

Output Power: ≤3W
Frequency Range: UHF: 400-480MHz
Channels: 16 Battery Capacity: 1800mAh



BF-AP3016 Analog Two-way Radio

- VOX
- Channel Matching
- Squelch Level
- Type-C Charging Mode
- Busy Channel Locking
- LED Indicator
- CTCSS/CDCSS
- Noise Reduction

Output Power: ≤3W
Frequency Range: UHF: 400-480MHz
Channels: 16 Battery Capacity: 1800mAh



BF-5111UV Analog Two-way Radio

- VOX
- Channel Scan
- Lighting/ Flashlight
- Time-out Timer (TOT)
- CTCSS/CDCSS and STE
- 9 Squelch Levels Selectable
- Busy Channel Lockout (BCL)
- High /Low Power Switchable
- Wide/Narrow Bands Switchable

Frequency Range: VHF: 136-174 MHz;
UHF: 400-470 MHz; 350-390MHz/87-108MHz
(Receiving Only)
Output Power: ≤5W
Channel Capacity: 199 Battery Capacity: 2400mAh



BF-SC500UV Analog Two-way Radio

- TOT
- UV Dual Bands
- CTCSS/CDCSS and STE
- Switchable Powers
- Reverse Frequency
- Wide/Narrow Bands Switchable
- Local Alarm
- Scan/Monitor

Frequency Range: VHF: 136-174 MHz;
UHF: 400-480 MHz; 350-390MHz/87-108MHz
(Receiving Only)
Output Power: ≤5W
Battery Capacity: 2600mAh



BF-870S Analog Two-way Radio

- VOX
- TOT
- Squelch Levels (0-9)
- Low Power Alert
- Auto Power Save
- CTCSS/CDCSS and STE
- Built-in Torchlight
- Wide/narrow Bands Switchable
- PC Programming
- Monitor/Scan

Output Power: 7W
Frequency Range: 430-440MHz
Channel Capacity: 99 Battery Capacity: 2500mAh



BF-860 Analog Two-way Radio

- VOX
- TOT
- Low Power Alert
- Auto Power Save
- PC Programming
- Built-in Torchlight
- Wide/Narrow Bands Switchable
- Squelch Levels (0-9)
- CTCSS/CDCSS and STE
- Monitor/Scan

Output Power: 7W
Frequency Range: VHF:136-174 MHz;
UHF:350-390 MHz; UHF:400-480 MHz
Channel Capacity: 16 Battery Capacity: 2500mAh



BF-7110 Analog Two-way Radio

- VOX
- Switchable Power
- Timer-out Timer (TOT)
- QT/DQT
- BCL
- Squelch Levels (0-9)
- Channel Prompt
- Low Battery Alert

Output Power: H: 7w L: 1W
Frequency Range: UHF: 400-470MHz
Channel Capacity: 16
Battery Capacity: 2000mAh



BF-835 Analog Two-way Radio

- Scrambler
- Time-out Timer (TOT)
- Transmission Beep
- Emergency Alert
- Squelch Levels (0-9)
- Channel Prompt
- Auto Battery Save
- CTCSS/CDCSS

Out Power: 8W
Frequency Range: VHF: 136-174MHz;
UHF: 350-390MHz/400-470MHz
Channel Capacity: 16
Battery Capacity: 200mAh



BF-532 Analog Two-way Radio

- Modes Switchable
- LCD Screen Contrast
- H/L Power Switchable
- Prompt Tone
- Communication Logs
- Built-in Flashlight
- Local Alarm
- ANI Code
- Backlight
- Monitor/Scan

Output Power: ≤5W
Frequency Range: VHF:136-174 MHz; UHF:350-390 MHz;
UHF: 400-470 MHz; UHF: 350-390/400-470MHz
Channel Capacity: 99 Battery Capacity: 2600mAh



BF-530 Analog Two-way Radio

- H/L Power Switchable
- PC Programming
- CTCSS/CDCSS
- Busy Channel Lockout (BCL)
- Programmable Bandwidth
- Squelch Levels(0-9)

Output Power: H: 5W L: 1W
Frequency Range: VHF: 136-174MHz;
UHF: 350-390/400-470MHz
Channel Capacity: 16
Battery Capacity: 2200mAh



BF-332 Analog Two-way Radio

- VOX
- Clear Audio
- Signaling Encryption
- One-Key Frequency Matching
- BCL(Busy Channel Lockout)
- Squelch Levels
- Type-C Interface

Output Power: ≤2W
Frequency Range: UHF: 400-480MHz
Channel Capacity: 16
Battery Capacity: 1000mAh



BF-325 Analog Two-way Radio

- VOX Function
- Squelch Levels
- Signaling Encryption
- Type-C Interface
- BCL(Busy channel locking)
- One-key Frequency Matching

Output Power: ≤3W
Frequency Range: UHF: 400-480MHz
Channels:99
Battery Capacity: 1000mAh



BelFone Communications Technology Co., Ltd

Add: A-15 Huaqiao Economic Development Zone, Luojiang, Quanzhou, Fujian, China

Email: overseas@belfone.com

Phone: +86 595 28396717

Fax: +86 595 22771635

Dedicated to improving the efficiency and reliability of mission critical communications, BelFone is always on the way to offer responsive, flexible and reliable products. For more information about our products and solutions, please check our website at: www.belfone.com.

BelFone and stylized BelFone logo are trademarks of BelFone Communications Technology Co., Ltd. All right reserved

