PRIVATE LTE RADIO SYSTEM



Build Your Own Communication System with Private LTE Radio

- Flexible and Fully Controlled Network
- Highly Secure and Robust Connectivity
- Experience Minimal Congestion

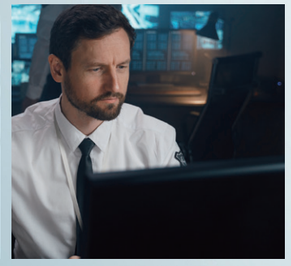


Secure Dedicated Communic ation: On-Premise Deployable Private LTE Radio System for Push-to-Talk Communication

Dedicated Secure Communication for Public Safety and Military







Icom's private LTE radio system places a dedicated radio control server within the customer's private network environment without the use of cloud computing. This setup ensures robust autonomy and secure communication. System owners/operators maintain strict control over the system, safeguarding their sensitive information.

Efficient Connectivity for Large Construction Sites







In wide-area construction sites like road development projects, private LTE deployment is often a necessity due to the absence or heavy loading of commercial LTE. As the project progresses, the private LTE base stations (eNodeB) can be flexibly built out or relocated to adjust coverage.

Real-time Connection for Factory and Plant Industries







In crucial industries such as factories and plants, uninterrupted communication is essential for nonstop operation. LTE surpasses other wireless options in security with robust hardware management of encryption keys. Its autonomy and stability outshine in comparison, and is less susceptible to interference from external sources.

Push-to-Talk Communication for Stadium and Outdoor Events

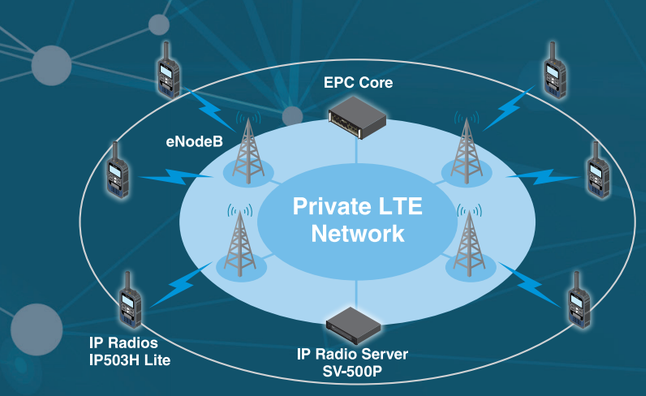






In stadiums and large outdoor events with thousands of fans, the strain on commercial LTE from customer usage can lead to congestion. To alleviate this, portable private LTE installations, coupled with the utilization of private LTE radios during events, can streamline communication among staff members.

Private LTE Radio System Features



Build Your Own Communication System with Private LTE Radio

- Operates in an independent communication environment, minimizing interference as you control the frequency band
- Network coverage can be independently managed and adjusted
- Dedicated transceiver-style PTT devices and appliance server for easy deployment and low maintenance
- Features SIM-level encryption for high-security
- Supports smartphone connectivity and existing app integration
- Internet connectivity is optional and available

IP503H Lite IP Radio Features



IP503H Lite
IP Transceiver

Dual SIM LTE Radio with Simultaneous TalkListen™

- Simultaneous TalkListen™ provides telephone-like full-duplex communication and works with or without an external headset
- Toll-quality voice at lower data rates and 900 mW of clear, loud audio
- Built-in Bluetooth® capability for wireless microphone/headset connection
- IP67 dust-tight and waterproof design
- Dual SIM capability for switching between private LTE or commercial LTE
- Dedicated Emergency button, Lone Worker and Man Down functions



SV-500P
IP Radio Server

Highly Secure Appliance Server

- The server has up to 200 units of device loading capacity and supports simultaneous transmission for up to 100 units
- Since the server can be installed within a private LTE network, there is no need to consider the Internet connection
- One-time investment in hardware and equipment provides a predictable cost structure
- AES encryption and user authentication for secure communication
- User provisioning function automatically updates user settings and call list over the air

SPECIFICATIONS

SV-500P	
Power supply requirements	AC adapter (100 ~ 240 V AC) Less than 23 Watts
Usable environment	Temperature 0°C ~ +40°C; +32°F ~ +104°F Humidity 5 ~ 95% (at no condensation)
Dimensions (Approximate) (* Projections are not included.)	213 (W) × 36.8 (H) × 242 (D) mm; 8.4 (W) × 1.4 (H) × 9.5 (D) in
Weight (Approximate)	1.4 kg; 3.1 lb
LAN	RJ45 connector (2.5GBASE-T/1000BASE-T/100BASE-TX)
USB	USB 3.0 Type-A × 1
Maintenance console	USB 2.0 Type-C × 1
Regulatory compliance	FCC Part15 Subpart B Class B, EN55032/EN55035/EN 61000-3-2/EN 61000-3-3/ EN62368-1/EU2015/863RoHS

* Required specifications are subject to change without notice.

OPTIONAL ACCESSORIES

19-inch Rack Mounting Bracket



MBF-6

AC Adapter



Either BC-207S or BC-236

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