

Digital Communication Connect System

This communication system provides enhanced connectivity and interoperability. It features a modular architecture with a central rack-mounted unit, digital transceivers, control console, and network interface.



System Overview

Smart Digital Connect System

This smart digital communication system is based on ETSI DMR standards and maintains compatibility with analog standards. It supports both VHF and UHF bands, utilizing TDMA 2-timeslot technology to provide versatile voice and data services for critical communications. The all-IP infrastructure allows for flexible deployment across public and private networks, ensuring extensive coverage and scalable connectivity.

Technical Specifications

Supported Frequency Bands	VHF, UHF
Channel Spacing	12.5 KHz
Technology Standard	ETSI DMR
Infrastructure	All-IP

System Features

Networking Capabilities

- Flexible IP Networking
- Cross-regional communications
- Single site expansion
- IP multi-site expansion

Positioning and Tracking

- Real-time GPS integration
- GIS Map support
- RFID technology
- Geo Fencing

Dispatch and Team Management

- Hierarchical priority assignment
- Visual management via GIS/RFID
- Automated event logging
- Exportable database reports (Excel)

Connectivity

VoIP Gateway	Yes
Security Features	Blacklist, Whitelist, User Authentication