COMMS

Private LTE Networks

Coverage and Control

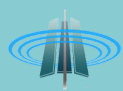Transform operations with the use of Private LTE Network Solutions
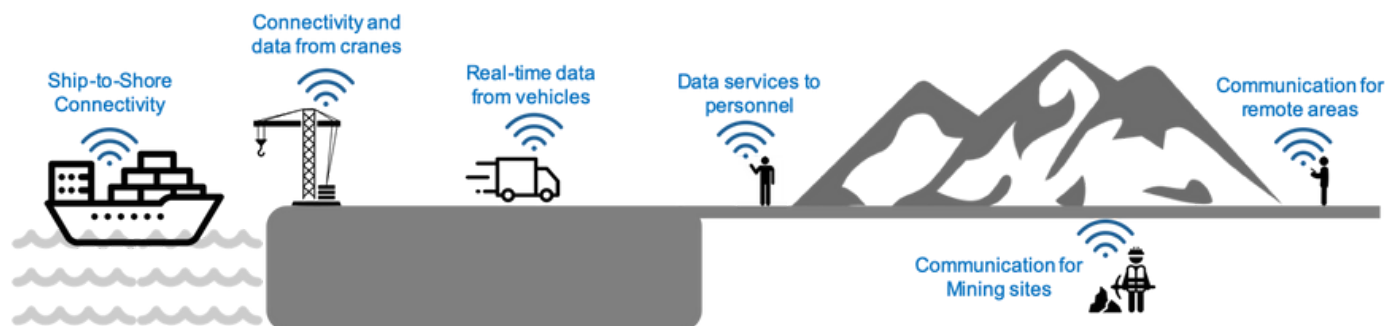
Private LTE Networks

Private LTE Networks allow organizations to customize their networks for mission-critical applications. The network can be optimized to support applications that require low latency and independence from the public wireless spectrum.

Private LTE Networks can provide a secure, reliable and flexible wireless data connectivity for your applications.
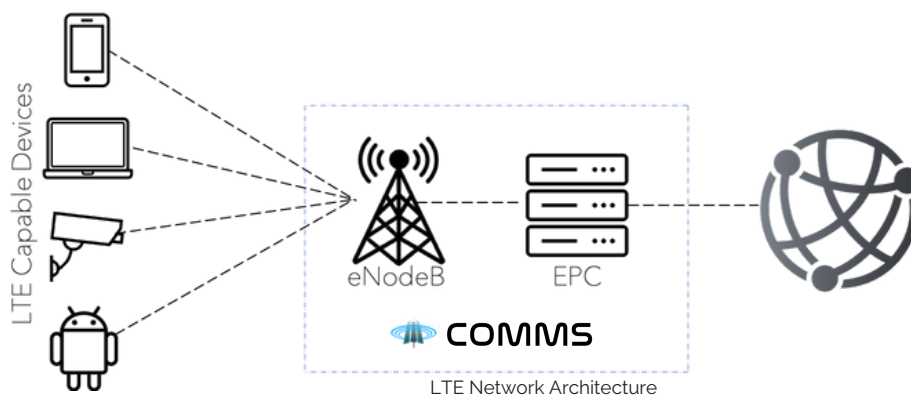

Private LTE Network Applications

Specifications

HARDWARE SPECIFICATIONS	
Operating Band	Band 3
Operating Frequency (MHz)	1710 - 1880
TRx Configuration	2 x 2 MIMO
Output Power	2 x 5W
Bandwidth	Up to 15 MHz
Peak Throughput (Mbps)	100 Mbps (DL), 35 Mbps (UL)
Capacity	64 active users; 200 RRC-connected
Sensitivity (dBm)	-101
Data Interface	1 Gbps Ethernet
Timing and Synchronization	GPS Disciplined Oscillator
DC Input (V)	± 48
Power Consumption (W)	141 W
Operating Temperature (°C)	-20 to +50
Weatherproofing	IP67 Water/Dust Resistance
LED indicators	3 x RGB LEDs: Supply status
SOFTWARE SPECIFICATIONS	
Mobility	S1 Handover
Voice Services	VoLTE, CSFB
QoS Features	Support for LTE QCIs
Ciphering	SNOW/AES
Regulatory Compliance	EN 301 908-14, IEC 60950

- Compliant with LTE (3GPP Release 10 aligned with features up to Release 15
- Supports full QoS
- IP67 Enclosure

Market Segments

- Private Institutions
- Maritime
- Oil, Gas and Mining
- Local Government Units
- Security and Emergencies

LTE Network Architecture

Benefits

- Provide private and secure data communication
- Reliable coverage and high capacity LTE Network
- Allow access only to authorized users
- Work with key satellite providers