System Specifications

Item	Description
LTE Band Classes supported	1 / 2 / 3 / 4 / 5 / 7 / 8 / 12 / 13 / 17 / 20 / 28 (FDD) 39 / 41 / 42 / 43 (TDD) For other Band Classes, Please contact us.
Band Width	5 / 10 / 20 MHz
Transmission Power	2x1W / 2x5W /2x10W/ 2x20W
User Interface	Web GUI (EPC/eNodeB/EMS)

Products Specifications

Tactical LTE Box

Support 256 active users

2 Rx & 2 Tx, @ 5/10/20MHz BW

2 x 10W Tx Power

Weight: 13.7kg

FDD: Band28 supported (For other band, check with JRC)

-100W AC Power Consumption

-5 ˚C / +50 ˚C Operation Support

eNodeB

2 Rx & 2 Tx MIMO

2x1W - 2x20W configurable TxPower

upport 5 / 10 / 15 / 20 MHz operation bandwidth

Peak rate 150Mbps@DL, 50Mbps@UL

 with 20MHz spectrum (FDD)

Maximum 256 active users (FDD)

Natural convection cooled

-40 to +55 ℃ operation

IP66 compliant

1Gbps Ethernet backhaul

Application

Situation awareness

Push-to-talk

Push-to-video

Geo-localization

Lone Worker Protection (LWP)

Recording function

Interference management

Dynamic Frequency channel Assignment (DFA)™*

Interference Avoidance Power Control (IAPC)™*

Multi Bubble Communication (MBC)™*

Inter-cell ship to ship communication

Inter-cell vehicle to vehicle communication

Dynamic topology change detection

Dynamic routing calculation

*patent pending

● Specifications may be subject to change without notice.

For further information, contact:

JRC

PRIVATE LTE
SOLUTIONS

www.jrclte.com

connectivity
everything
everywhere

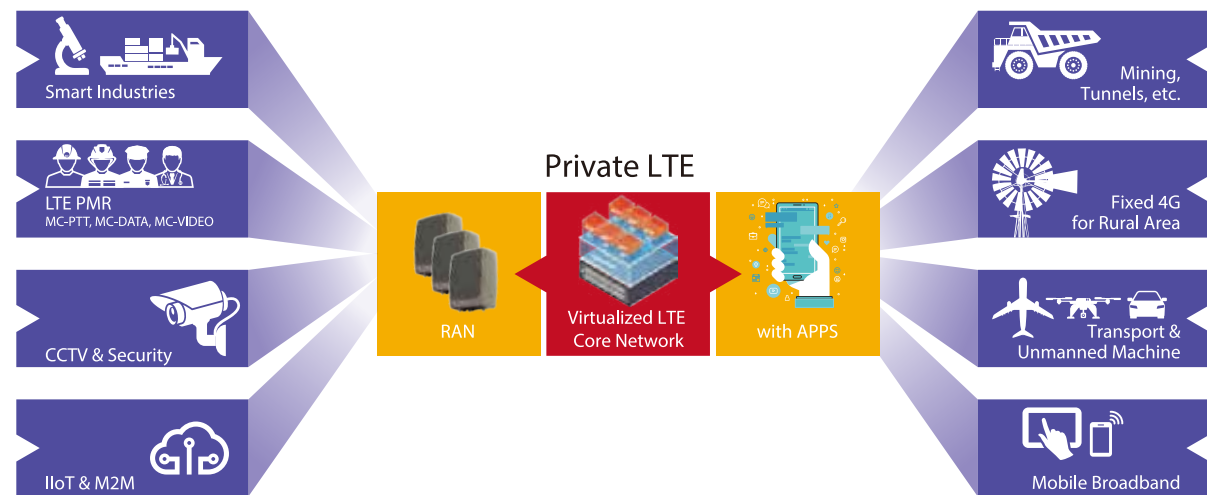## Anywhere, Anytime, Constant LTE connectivity

Private Network
- Smart metering
- Maritime communication
- Mining / Oil rigs

Public Safety
- Emergrncy / First responder
- Ad hoc / Standalone
- Suveillance

Wireless ISP
- High speed internet
- Complete solution
- Pay as you Grow

Smart Industries

LTE PMR
MC-PTT, MC-DATA, MC-VIDEO

CCTV & Security

IIoT & M2M

Private LTE

RAN — Virtualized LTE Core Network — with APPS

Mining, Tunnels, etc.

Fixed 4G for Rural Area

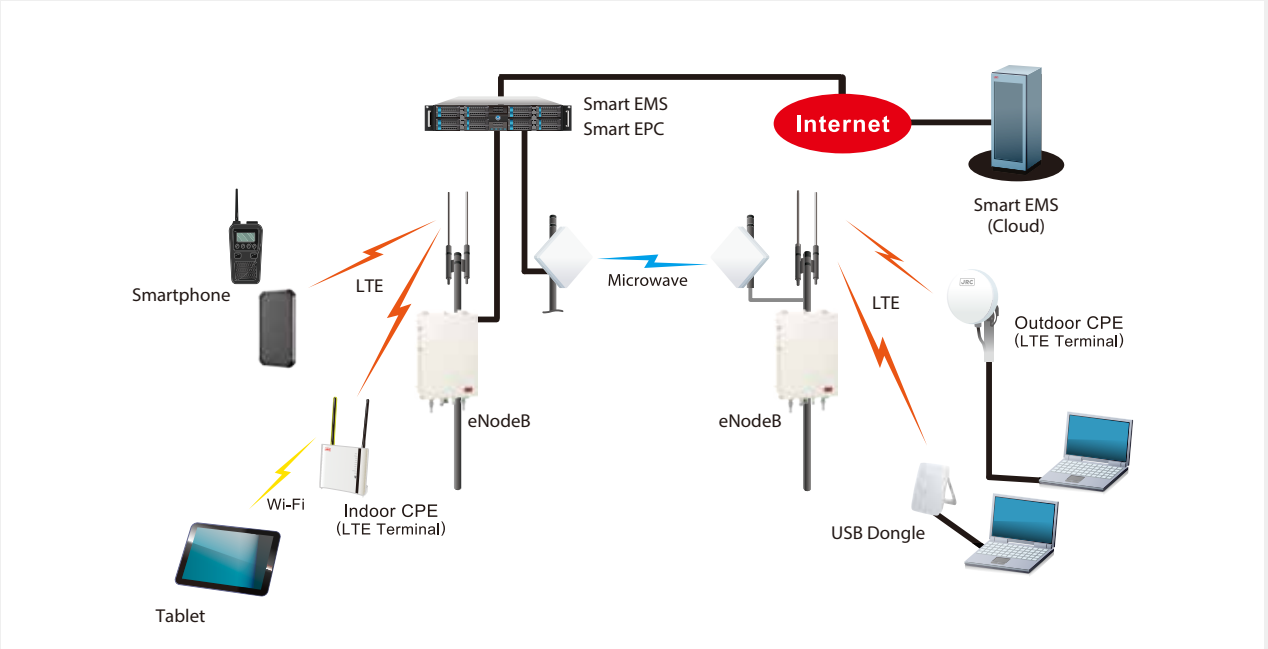**Transport & Unmanned Machine**

Mobile Broadband

Tactical LTE BOX ™

- Lightweight ruggedize system
- Single box solution
- Operated independently within an existing cellular wireless coverage
- Supports several standard LTE frequencies and several bandwidth capacities
- Suitable for both stationary and on the move implementations
- Pre-equipped with applications such as MCPTT, Voice gateway
  to allow voice, video, text and file transfer capabilities
- Ability to host the customer private application

Basic System Configuration

Smart EPC

- Complete LTE core system - Integrated full-turnkey solution
- Support from 50 to hundreds of thousands of subscribers
- Virtualized and distributed system enable highly resilient
  and scalable network
- Minimized configuration with user-friendly interface
- VoLTE / IMS / eMBMS support
- Interface to external billing system

eNodeB

- All-in-one base station - BBU & RRU in a single box
- Small and light weight, outdoor installable
- Easy deployment and flexible mounting options
- Both TDD and FDD support
- Tx power - Up to 20W per antenna
- 2x2 MIMO
- Configurable baseband parameters
  various bandwidth & frequency operation support

Smart EMS

- Remote network management system for
  eNodeB, EPC, UE, and other network elements
- Cloud base, on-premise
- Customizable dashboard
- Geographical network topology and
  visualized network performance
- Intelligent fault detection and notification
- Automatic software upgrade for all elements
- Configuration and log management
- Account and security management