



# JRC Compact eNodeB



Best-in-Class base station in the market specifically designed for Private LTE  
Ruggedized for outdoor installation and NLOS propagation with 2T2R

## ■ Key Features

- ▶ LTE Release 9 Compliant Roadmap to LTE-A
- ▶ Support 256 concurrent users
- ▶ 2 Rx & 2 Tx, @ 5/10/15/20MHz BW
- ▶ 2 x 10W Tx Power
- ▶ 150/50 Mbps DL/UL Peak Data Rate (20MHz bandwidth FDD)
- ▶ 3 dB Rx Noise Figure
- ▶ 1G Ethernet Backhaul
- ▶ ~100W AC Power Consumption
- ▶ Natural Convection Cooled
- ▶ -40°C / +55°C Operation
- ▶ IP66 Compliant

## ■ Flexibility

The JRC Compact eNodeB can be flexibly customized to fit any requirement that public safety and private network need, and gives most optimized solution, such as Mobile LTE Box, Vehicle mobile cell, Manpack, Relay, A2G, S2S and non-standard spectrums.

## ■ Small Form Factor

The JRC Compact eNodeB is all-in-one eNodeB which integrates both RF unit and baseband unit, suitable for public safety and private network. And capable of serving up to 255 connected users.

## ■ Optimize TCO

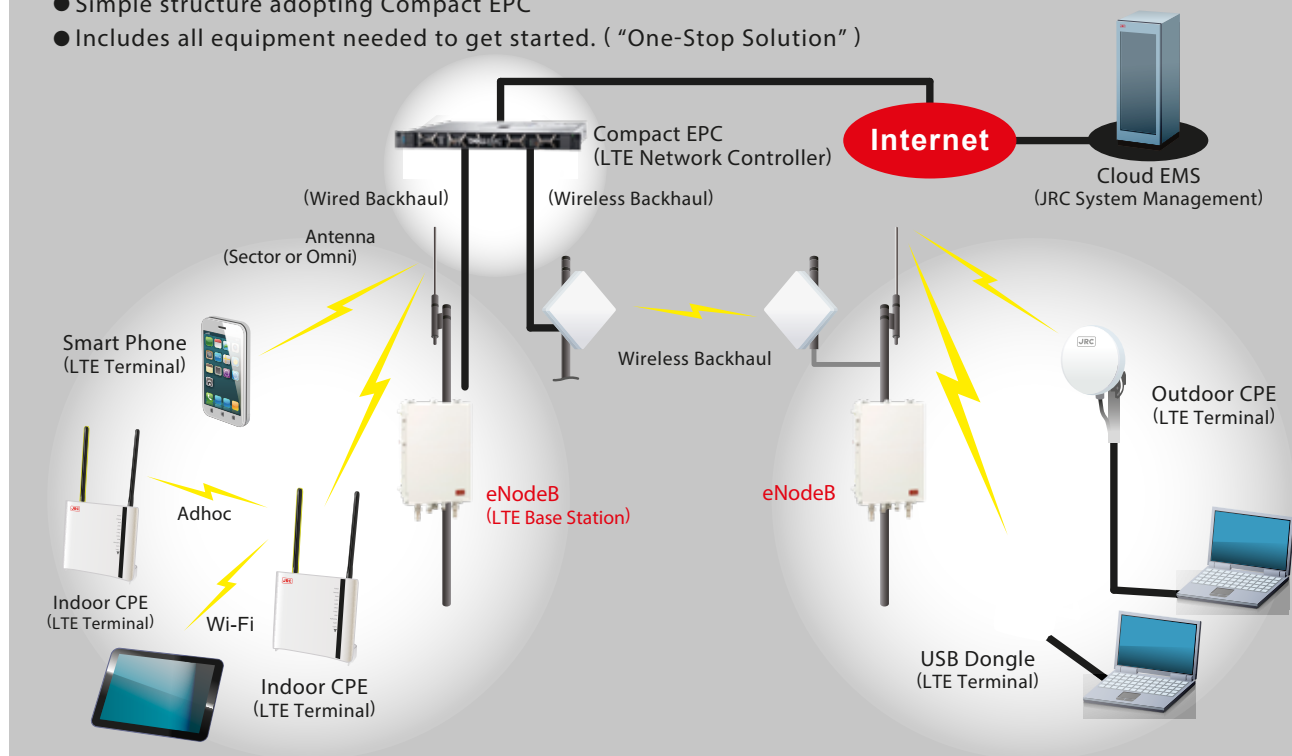
The JRC Compact eNodeB is a perfect solution for public safety agencies, enterprises and WISPs. It maximizes profitable advantages by reducing CAPEX and OPEX.



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## Basic System Configuration with Future Expandability

- Simple structure adopting Compact EPC
- Includes all equipment needed to get started. ( "One-Stop Solution" )



## General Specification

Item	Description
Model	JRL-111BF
Duplex Method	FDD
3GPP Standard Compliance	Release 9
Capacity	256 concurrent users
Backhaul Interface	1 Optical (SFP) and 1 RJ-45 Ethernet interface (1 GE)
Synchronization	GPS
Operation Frequency	FDD: Band1,3,7,13,20,28
Antenna Techniques	2 x 2 MIMO
Channel Bandwidth	5/10/15/20 MHz
Transmit Power	2 x 10W
Receive Sensitivity	-102dBm
Installation Type	Pole, Wall
Input Voltage	100 - 260V AC
Dimensions	Band1/3/7: 430mm (H) x 275mm (W) x 113mm (D) Band13/20/28: 430mm (H) x 275mm (W) x 137mm (D)
Operating Humidity	5% to 95%
Operating Temperature	-40 °C to 55 °C
Power Consumption	100W
Weight	Band1/3/7: About 12kg Band13/20/28: About 15kg
Weather Protection	IP66
Safety Compliance	UL 60950-1, IEC60950-1

\*Specifications are subject to change without notice.



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