



All-in-one solution that provides tactical communication in the field.  
Designed for Public safety, Military, Disaster recovery or any other first responder.  
Easy to start and support bubble-to-bubble functionality.

## ■ Key Features

- ▶ All-in-one solution (RF, Core, Applications)
- ▶ Support 256 concurrent users
- ▶ High power for wide coverage
- ▶ Supports in-band bubble-to-bubble functionality\*
- ▶ Start in less than 5 minutes
- ▶ Can be installed in a vehicle
- ▶ Can be connected to a VSAT
- ▶ Support PTT applications (voice, data, video, localization...)
- ▶ Encryption

\*Optional

## ■ All-in-one

JRC Tactical LTE box is a all-in-one portable LTE solution.

It starts in less than 5 minutes in a silent start mode. Users can use any application they want.

## ■ PTT App

PTT application can be installed in the LTE box, offering the possibility to users to do group call, including voice, video and data communication. Localization can also be provided. And it runs on rugged smartphones.

## ■ Bubble-to-bubble\*

When 2 LTE boxes overlap each other, they automatically connect to each other to create a virtual network. All devices can talk together inside the virtual bubble. Multiples hops can be created. Requires optional MBT module.

## ■ Vehicle Mounted

The LTE box is ideal for vehicle mounted solution. It can be powered by the battery of the vehicle and be mounted in a rack or in a car boot.

## ■ General Specification

Item	Description
<b>Model</b>	JRL-172-28A(FDD)
<b>Form Factor</b>	Metal Chassis
<b>Dimensions (L x W x D)</b>	499mm x 420mm x 115mm (w/o mounting ear)
<b>Weight</b>	13.7kg
<b>Input Power</b>	-48VDC (with AC Adapter, AC 110/220V )
<b>LTE Frequency</b>	FDD: Band 28 (For other bands, check with JRC)
<b>Bandwidth</b>	5/10/20MHz
<b>Transmit Power</b>	2 x 10W
<b>Number of Antenna</b>	2 antennas (2 x 2 MIMO)
<b>Max Connected / Active Users</b>	256 users (For more users, check with JRC)
<b>Max Throughput</b>	150Mbps Downlink, 50Mbps Uplink (FDD 20MHz BW)
<b>Synchronization</b>	GPS
<b>Management Functions</b>	Remote connection and control (using backhaul interface) SNMP, TR-069 support System status indications
<b>Security Functions</b>	White list of roaming partners (PLMN-ID) AKA based authentication (key generation and distribution) Standard LTE AES-128 encryption SIM info encryption UE to device bundling Un-authorized users report
<b>Operating Temperature</b>	-10°C to 50°C
<b>Applications</b>	PTT, Video-PTT, Video Call (Optional) Location based service (Optional)
<b>Certification</b>	CE marking



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