

# High Power RRU

# Laguna-R2460

## Benefits:

- 2T2R Digital Radios
- 40W (46dBm) Output Power
- Passive Cooling
- IP65 Outdoor Rated

## Overview:

The Laguna-R2460 is an advanced outdoor LTE product that operates in FDD mode. This RRU with Laguna-B4000 provide users with high-speed broadband wireless access to the Internet using 2x40W output power (2x2 MIMO with 40W output each channel). This RRU can operate in 5, 10 ,15or 20 MHz bandwidth.

## Key Futures:

- Supports Band 2T2R
- Up to 40W (46dBm) Output Power
- Supports Cascading
- Supports FDD
- Supports External Alarm



## Supported Bands:

Band Frequency	3GPP Band	Downlink Frequency	Uplink Frequency	Max Bandwidth
2100 MHz FDD	1	2110MHz-2170MHz	1920MHz-1980MHz	20
1800 MHz FDD	3	1805MHz-1880MHz	1710Mz-1785MHz	20
850 MHz FDD	5	869MHz-894MHz	829MHz-849MHz	20
900 MHz FDD	8	925MHz-960MHz	880MHz-915MHz	20

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## Specifications:

### System:

Bandwidth per Channel.....	≤ 20 MHz (Contiguous)
(Downlink & Uplink)	
Digital Bandwidth per Channel.....	3/5/15/20 MHz
(Downlink & Uplink)	
Redundancy.....	Cascading

### Interfaces:

Antenna Interface (All bands).....	N Female
Optical Connector Type.....	SFP+, Standard LC
Optical Transmission Rate.....	9.8304GB/s
Optical Fiber Length.....	1.4 km/ 10 km/ 30 km
	0.87mi / 6.21mi / 18.64mi
Physical Alarms.....	DB9, Female
Maintenance Interface.....	Ethernet RJ45

### Electrical:

Complies with.....	3GPP TS36.106   3GPP TS25.106
EMC.....	EN 301489-1 / -50, EN 50121-4, EN 55032, EN 61000-4 series
Safety.....	EN 60950-1, EN 60950-22, EN 62368-1, EN 50385
Maximum Power Consumption.....	700W
Power Supply.....	100-240V AC, 50/60 Hz   48VDC ± 20%

### Environmental:

Mean Time Between Failure (MTBF).....	> 100,000 hours
Operating Temperature.....	-40 °C ~ +55 °C   -40 °F ~ +131 °F
Humidity.....	5% ~ 100% (Non-Condensing)
Cooling.....	Passive
Installation.....	Wall or Pole
Ingress Protection Rating.....	IP67 (Outdoor)
Complies with.....	EN 300019-1-1, EN 300019-1-2, EN 300019-1-4

### Mechanical:

Size (Width x Height x Depth).....	420 x 450 x 164.5 mm   16.53 x 17.71 x 6.48 in
Weight.....	≤22.0 kg   48.50 lbs