

### Benefits:

- 4T4R Digital Radios
- 5W (37dBm) Output Power
- 5G NR Complaint
- IP67 Outdoor Rated

# Laguna-R4370

### Overview:

The Laguna-R4370 is a digital transport platform supporting cellular technologies on fiber optic cable using the CPRI protocol. The power amplifier technology adopts DPD (Digital Pre-Distortion), allowing for a significant improvement in power consumption compared with analogue technology. This platform is ideal for underground tunnels & outdoor coverage deployments of cellular services.

### Key Futures:

- Supports 4T4R, 5G NR Compliant
- Up to 5W (37dBm) Output Power and up to 100MHz IBW
- Supports Cascading
- Supports Sub-6GHz TDD/FDD
- Supports External Alarm



### Supported Bands:

Band Frequency	3GPP Band	Downlink Frequency	Uplink Frequency	Max Bandwidth
3600 MHz TDD	48	3550-3700	3550-3700	100
3700 MHz TDD	43	3600-3800	3600-3800	100
3500 MHz	B43/N77/N78	3500-3800	3500-3800	100
3500 MHz	N77	3800-4100	3800-4100	100
3500 MHz	B42/N77/N7	3400-3600	3400-3600	100
2600 MHz TDD	41	2496-2690	2496-2690	100
2300 MHz TDD	40	2300-2400	2300-2400	100
2600 MHz TDD	38	2570-2620	2570-2620	50
2100 MHz FDD	1	2110-2170	1920-1980	70
1800 MHz FDD	3	1805-1880	1710-1785	75
2600 MHz FDD	7	2620-2690	2500-2570	70

**Specifications:****System:**

Bandwidth per Channel.....	≤ 100 MHz (Contiguous)
(Downlink & Uplink)	
Digital Bandwidth per Channel.....	3/5/10/20MHz for LTE
(Downlink & Uplink)	20/40/50/60/80/100 MHz for 5G
Redundancy.....	Cascading

**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.....	140W
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).....	360 x 115 x 260 mm   14.17 x 4.53 x 10.24 in
Weight.....	12.0 kg   26.46 lbs