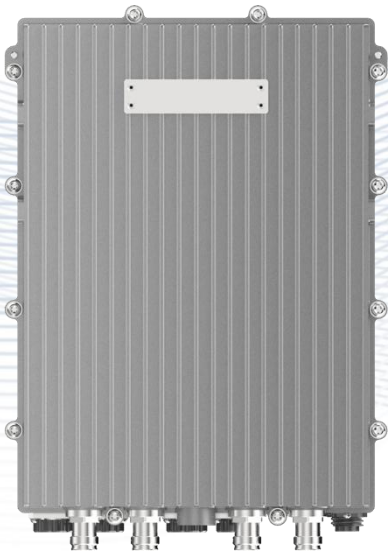




RU4370

MID POWER RRU

4T4R Digital Radios

5W (37dBm) Output Power

5G NR Compliant

IP67 Outdoor Rated

The RU4370 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.

sCELL-RU4370 DATASHEET

KEY FEATURES

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

TECHNICAL SPECIFICATIONS

SYSTEM

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

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	N77/N78	3500-3800	3500-3800	100
3500 MHz	N77	3800-4100	3800-4100	100
3500 MHz	N77/N78	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

* More bands will be supported in the roadmap

ELECTRICAL

Complies with	3GPP TS36.106, 3GPP TS25.106
EMC	EN 301489-1 / -50, EN 55032
Safety	EN 60950-1, EN 60950-22, EN 62368-1, EN 50385
Maximum Power Consumption	140W
Power Supply	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)

sCELL-RU4370 DATASHEET

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

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