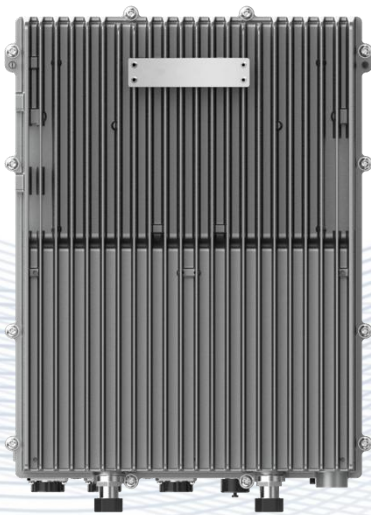




RU2430

HIGH POWER RRU

2T2R Digital Radios
20W (43dBm) Output Power
5G NR Complaint
IP65 Outdoor Rated

The RU2430 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-RU2430 DATASHEET

KEY FEATURES

- Supports Band 2T2R
- Up to 20W (43dBm) Output Power
- Supports Cascading
- Supports TDD
- Supports External Alarm

TECHNICAL SPECIFICATIONS

SYSTEM

Bandwidth per Channel (Downlink & Uplink)	≤ 80 MHz (Contiguous)
Digital Bandwidth per Channel (Downlink & Uplink)	3/5/10/20 MHz
Redundancy	Cascading

SUPPORTED BANDS

Band Frequency	3GPP Band	Downlink Frequency	Uplink Frequency	Max Bandwidth
2500 MHz TDD	41 (LOWER/UPPER)	2496-2576/2610-2690	2496-2576/2610-2690	80
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
900 MHz FDD	8	925-960	880-915	35
2600 MHz FDD	7	2620-2690	2500-2570	70

INTERFACES

Antenna Interface (All bands)	4.3-10 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 (4x in, 4x out)
Maintenance Interface	Ethernet RJ45

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	250W

ENVIRONMENTAL

sCELL-RU2430 DATASHEET

Mean Time Between Failure (MTBF)	> 100,000 hours
Operating Temperature	-40 °C ~ +55 °C -40 °F ~ +131 °F
Storage Temperature	-40 °C ~ +70 °C -40 °F ~ +158 °F
Humidity	5% ~ 100% (Non-Condensing)
Cooling	Passive
Installation	Wall or Pole
Ingress Protection Rating	IP65 (Outdoor)
Complies with	EN 300019-1-1, EN 300019-1-2, EN 300019-1-4
Power Supply	100-240V AC, 50/60 Hz 48VDC ± 20%

MECHANICAL

Size (Width x Height x Depth)	400 x 135 x 300 mm 15.75 x 5.31 x 11.81 in
Weight	18.0 kg 39.68 lbs

Contact Us Today
en.sunwave.com