RU4370

MID POWER RRU



4T4R Digital Radios

5W (37dBm) Output Power

5GNR 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.

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| **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
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| **TECHNICAL SPECIFICATIONS** |
| **SYSTEM** |
| **Bandwidth per Channel (Downlink & Uplink)** | ≤ 100 MHz (Contiguous) |
| **Digital Bandwidth per Channel (Downlink & Uplink)** | 3/5/10/20MHz for LTE20/40/50/60/80/100 MHz for 5G |
| **Redundancy** | Cascading |

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| **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* |

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| **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% |

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| **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 |

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| **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 |

Contact Us

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