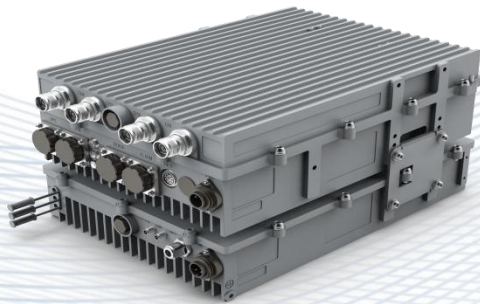


nCELL-M4370 5G Integrated DATASHEET



nCELL-M4370

5G Integrated Base Station

5W

4T4R

All-in-one Design
Clock Synchronization

The nCELL-M4370 from SUNWAVE is based on advanced multi-core ARM and FPGA solutions and adopts an integrated design method of 5G BBU and RRU. Based on a completely independent research and development protocol stack and system software, it realizes a complete 5G NR wireless access, which can quickly provide users with a reliable 5G wireless coverage network.

The nCELL-M4370 has the advantages of low power consumption, small size, convenient construction, etc., and is suitable for applications in many 5G vertical industries.

nCELL-M4370 5G Integrated DATASHEET

| SYSTEM FUNCTIONS | |
|------------------------------|--|
| Standard | 3GPP R15/R16* |
| Number of Cells | 1 x 4T4R or 2 x 2T2R* |
| Cell Capacity | 400 RRC users per cell |
| Cell Throughput | DL 1.5 Gbps, UL 260 Mbps (DDDSU) DL 658 Mbps, UL 669 Mbps (DSUUU) |
| Operating Frequency Band | N48(CBRS)/N77/N78: 3500 ~ 3800MHz; Band Customization |
| Channel Bandwidth | 20MHz/40MHz/50MHz/60MHz/80MHz/100MHz |
| RF Power | 4*5W |
| Duplex Mode | TDD |
| Subcarrier | 30 kHz |
| Clock Synchronization Method | GPS, 1588V2 clock synchronization |
| Power Supply | DC -48V or AC 220V (100V ~ 240V) (need extra power) |
| Power Consumption | < 200W |

Note: *means the function is on roadmap

| HARDWARE INTERFACE | |
|---|--------------------------|
| Fronthaul (Connect To Remote RRU)/Backhaul/ Cascade Interface | 10G SFP+ optical port |
| DEBUG/RGPS Interface | Cable port |
| Power Input | Waterproof aviation plug |
| Radio Frequency Interface ANT1 -ANT4 | 4.3-10 |
| GPS Antenna Connector | GPSN |

| STRUCTURE PARAMETERS | |
|----------------------|---|
| Total Weight | < 13 kg 28.67 lbs |
| Dimension | 378.5 x 278.5 x 195 mm 14.90 x 10.96 x 7.68 in |
| Installation Method | Supports pole installation, hanging installation, wall installation |

| ENVIRONMENTAL SPECIFICATIONS | |
|------------------------------|------------------------------------|
| Protection Level | IP65 |
| Operating Temperature | -40 °C ~ +55 °C -40 °F ~ +131 °F |
| Working Humidity | 5% ~ 95% |
| Working Pressure | 70kPa ~ 106kPa |

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