nCELL-M4460

5G Integrated Base Station

40W

4T4R

All-in-one Design

Clock Synchronization

The nCELL-M4460 from BTI WIRELESS 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-M4460 has the advantages of low power consumption, small size, convenient construction, etc., and is suitable for applications in many 5G vertical industries.

|  |
| --- |
| **SYSTEM FUNCTIONS** |
| **Standard** | 3GPP 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** | N38: 2570-2620 MHzN40: 2300-2400 MHzN41: 2496-2690 MHzN78: 3300-3600 MHzN77/N78: 3600-3800MHz Band Customization |
| **Channel Bandwidth** | 20MHz/40MHz/50MHz/60MHz/80MHz/100MHz |
| **RF Power** | 4\*40W |
| **Duplex Mode** | TDD |
| **Subcarrier** | 30 kHz |
| **Clock Synchronization Method** | GPS, 1588V2 clock synchronization |
| **Power Supply** | DC -48V  |
| **Power Consumption** | < 700W |

|  |
| --- |
| M4460-2**HARDWARE INTERFACE** |
| M4460-3 |

|  |
| --- |
| **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** | BBU: 6.3 kg | 13.89 lbsRRU: 27.9 kg | 61.5 lbs |
| **Dimension** | BBU: 378.5 x 278.5 x 80 mm | 14.9 x 10.96 x 3.15 inRRU: 500 x 380 x 142 mm | 19.7 x 14.96 x 5.59 in |
| **Installation Method** | Supports pole installation, hanging installation, wall installation |

|  |
| --- |
| **ENVIRONMENTAL SPECIFICATIONS** |
| **Protection Level** | IP65 |
| **Operating Temperature** | -40 ℃ ~ +55 ℃ | -40 ℉ ~ +131 ℉ |
| **Working Humidity** | 5% ~ 95% |
| **Working Pressure** | 70kPa ~ 106kPa |

Contact Us Today

[www.btiwireless.com](http://www.btiwireless.com)

sales@btiwireless.com