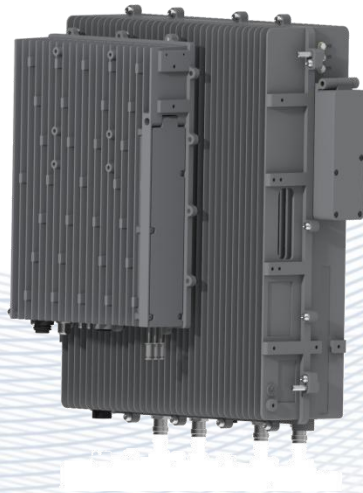


nCELL-M4460 5G Integrated DATASHEET



nCELL-M4460

5G Integrated Base Station

40W

4T4R

All-in-one Design
Clock Synchronization

The nCELL-M4460 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.

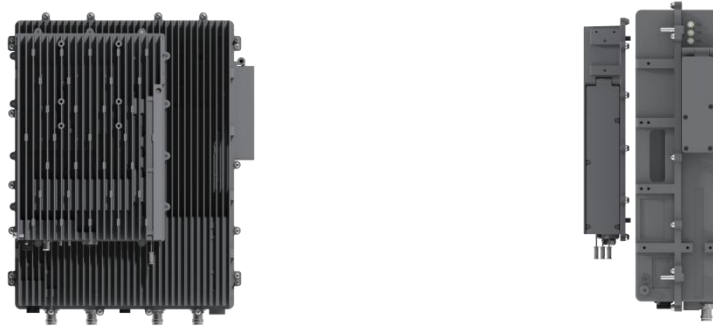
The nCELL-M4460 has the advantages of low power consumption, small size, convenient construction, etc., and is suitable for applications in many 5G vertical industries.

nCELL-M4460 5G Integrated DATASHEET

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 MHz N40: 2300-2400 MHz N41: 2496-2690 MHz N78: 3300-3600 MHz N77/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

HARDWARE INTERFACE



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	4.3-10

nCELL-M4460 5G Integrated DATASHEET

-ANT4	
GPS Antenna Connector	GPSN

STRUCTURE PARAMETERS

Total Weight	BBU: 6.3 kg 13.89 lbs RRU: 27.9 kg 61.5 lbs
Dimension	BBU: 378.5 x 278.5 x 80 mm 14.9 x 10.96 x 3.15 in RRU: 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 °C ~ +55 °C -40 °F ~ +131 °F
Working Humidity	5% ~ 95%
Working Pressure	70kPa ~ 106kPa

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