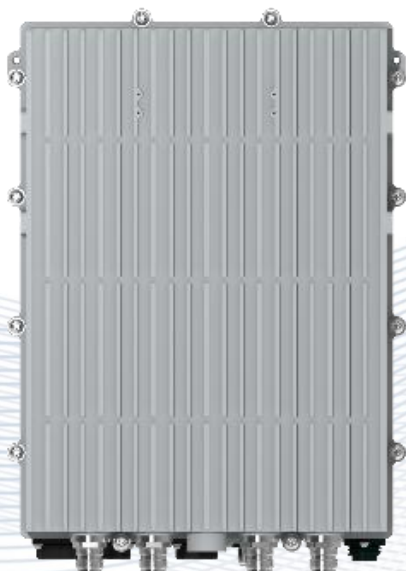


nCELL-M 5G Integrated DATASHEET

**nCELL-M****5G Integrated Base Station****5W****4T4R****All-in-one Design**

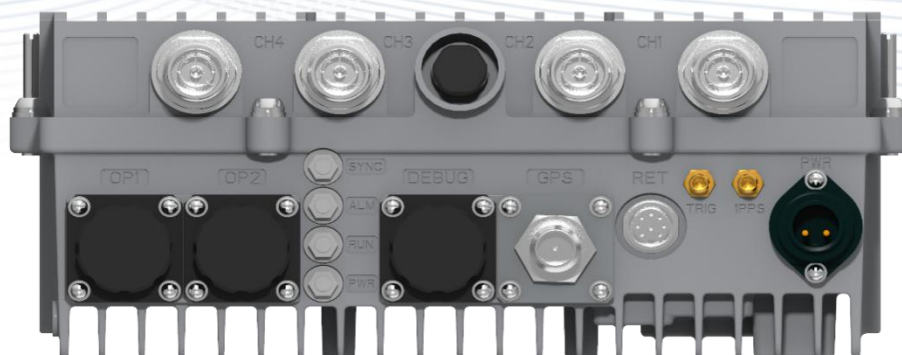
The nCELL-M is an advanced 5G integrated small cell powered by Qualcomm's 4nm FSM200 platform, delivering superior power efficiency, high performance and reliability. Its innovative BBU+RRU integrated design simplifies deployment while supporting complete 5G NR wireless access. Built on a fully independent protocol stack and system software, the solution enables rapid deployment of robust 5G coverage networks. The readiness and flexibility are ensured through optional next-gen 5G-enabled edge computing, making it ideal for both standalone and embedded 5GC architectures.

Engineered for versatility, the nCELL-M combines ultra-low power consumption, compact size, and plug-and-play installation advantages. These features make it perfectly suited for diverse 5G vertical applications across enterprise networks, industrial IoT, smart cities, and public/private hybrid networks – providing scalable and efficient connectivity solutions.

nCELL-M 5G Integrated DATASHEET

SYSTEM FUNCTIONS	
Standard	3GPP R16
Number of Cells	1 x 4T4R/2T2R/1T1R
Cell Capacity	200/400* users per cell
Cell Throughput	DL 1.5 Gbps, UL 260 Mbps (DDDSU) DL 658 Mbps, UL 669 Mbps (DSUUU)
Operating Frequency Band	N77/N78: 3500-3800MHz; N38: 2570-2620MHz*; N40: 2300-2400MHz*; N41: 2496-2690MHz*; N77: 3800-4100MHz*; N77: 4000-4200MHz*; Band Customization
Channel Bandwidth	10Mhz/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±20%
Power Consumption	< 200W

*400 users will be supported through software update,*Under planning.



HARDWARE INTERFACE	
Backhaul/1588 Clock	10G SFP+ optical port
DEBUG	Cable port
Power Input	Waterproof aviation plug
Radio Frequency Interface ANT1-ANT4	4.3-10
GPS Antenna Connector	N

STRUCTURE PARAMETERS

nCELL-M 5G Integrated DATASHEET

Total Weight	< 12 kg 26.46 lbs
Dimension(LxHxW)	360 x 115 x 260 mm 14.17 x 4.53 x 10.24 in
Installation Method	Supports pole installation, hanging installation, wall installation

ENVIRONMENTAL SPECIFICATIONS

Protection Level	IP67
Operating Temperature	-40 °C ~ +55 °C -40 °F ~ +131 °F
Working Humidity	5% ~ 95%
Working Pressure	70kPa ~ 106kPa

Contact Us Today
en.sunwave.com