



# nCELL-F2240

## 5G NR Femtocell

2 x 2 MIMO

2 x 250 mw

128 RRC Subscribers

The nCELL-F from SUNWAVE is an enterprise-level 5G integrated Femtocell applying 5G NR technology. The product connects to the backbone network through wired backhaul and provides 5G access for terminals. It supports the transmission of voice and data with indoor wireless broadband coverage.

## FemtoCell nCELL-F DATASHEET

### KEY FEATURES

- Integrated design of baseband and radio head
- Based on 3GPP R16 technology with high-speed data and low latency services
- Supports up to 100 MHz bandwidth
- 35W low power consumption
- Convenient networking, plug and play solution, easy and flexible deployment
- Plentiful security service provides real-time protection, to prevent potential security risks and illegal intrusion
- Web-based management, convenient and intuitive
- Complete network management function
- Humanized indicator light, easy to observe and manage equipment status
- IP3X protection level

### APPEARANCE



### HARDWARE SPECIFICATIONS

<b>Work Style</b>	5G SA
<b>Working Frequency</b>	SKU1: N41(2496-2690Mhz) SKU2: N48/N78(3500Mhz-3800Mhz) SKU3: N79(4800Mhz-5000Mhz)
<b>Working Bandwidth</b>	40/60/80/100Mhz
<b>Transmit Power</b>	2 x 24 dBm
<b>frequency Error</b>	± 0.1 ppm
<b>Sensitivity</b>	< -96 dBm
<b>EVM</b>	64QAM/256QAM, ≤5%
<b>ACLR</b>	≤-45dBc
<b>A Synchronization</b>	Support GPS, 1588v2
<b>MIMO</b>	2 x 2

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## FemtoCell nCELL-F DATASHEET

<b>Equipment Size</b>	200 x 200 x64mm(L x W x H)
<b>Installation Method</b>	Wall hanging, ceiling
<b>Power Consumption</b>	< 45W
<b>Power Supply</b>	12V DC/10A
<b>Weight</b>	< 1.5 kg
<b>Operating Temperature</b>	-10 °C ~ +40 °C

\*N48 is in planning

SOFTWARE SPECIFICATIONS	
<b>Technical Standard</b>	3GPP Release 16
<b>Peak Rate (100 MHz Bandwidth)</b>	7D2U: DL: 810 Mbps (256QAM)/ 3U1D: UL: 480 Mbps (64QAM)
<b>Operational Capacity</b>	128 Subscribers
<b>Scheduling Method</b>	3GPP standard QCI
<b>Network Management Interface</b>	Supports TR069 interface protocol
<b>MTBF</b>	5 Years
<b>MTTR</b>	< 1 hour
<b>O&amp;M</b>	Remote/local maintenance, based on SSH protocol Online status management Performance statistics Fault management Configuration management Local or remote software upgrade and loading Supports log Connectivity diagnosis Self-start and self-configuration deployment Alarm reporting Supports KPI reporting User information tracking

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