



## sCELL-EF

### LTE Enterprise Femtocell

TDD/FDD, 2x2 MIMO, 2x125mw

64 Concurrent Users, 128 RRC

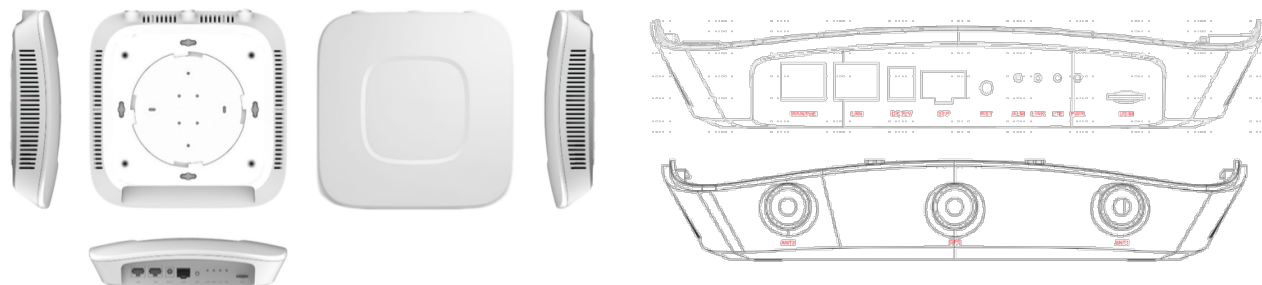
The sCELL-EF from SUNWAVE is an enterprise-level 4G integrated Femto applying LTE technology. The product connects to the backbone network through wired backhaul, and provides LTE access for terminals. It supports the transmission of voice and data with indoor wireless broadband coverage.

## sCELL-EF DATASHEET

### KEY FEATURES

- Integrated design of baseband and radio head
- Based on 3GPP LTE technology with high-speed data services
- Supports 5 MHz, 10 MHz, 15 MHz, 20 MHz bandwidth
- Convenient networking, plug and play solution, easy and flexible deployment
- External high-gain Antenna for various usage scenarios
- Built-in DHCP server, DNS client and NAT functions, powerful high-speed routing capabilities
- 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

### APPEARANCE



### INTERFACE SPECIFICATIONS

INTERFACE NAME	QUANTITY	INTERFACE TYPE	INTERFACE DEFINITION
WAN/ PoE	1	RJ45	Data return and PoE+ power supply interface
LAN	1	RJ45	Local debugging interface
USIM	1		USIM card slot
SFP(Optional)	1	SFP	Data transmit back to optical interface
DC 12V	1	DC Socket	12V DC power supply interface
RST	1		Manual reset device button
GPS	1	SMA	GPS antenna interface

## sCELL-EF DATASHEET

HARDWARE SPECIFICATIONS	
<b>Work Style</b>	LTE FDD
<b>Working Frequency</b>	1/3/7/20/28/38/40 & customized
<b>Working Bandwidth</b>	5 MHz/ 10 MHz/ 15 MHz/ 20 MHz
<b>Transmit Power</b>	2 x 21 dBm
<b>Synchronously</b>	Support GPS, IEEE 1588 V2, IEEE 1588 ACR and air interface synchronization
<b>Return Method</b>	RJ-45 ethernet port (1GE), SFP optical port
<b>MIMO</b>	2 x 2
<b>Equipment Size</b>	220 mm x 220 mm x 39 mm   8.66 in x 8.66 in x 1.54 in
<b>Installation Method</b>	Lay flat, wall hung, ceiling
<b>Power Consumption</b>	< 15W
<b>Power Supply</b>	220V AC to 12V DC power adapter, POE power supply
<b>Weight</b>	< 0.6 kg   1.32 lbs
<b>Equipment Capacity</b>	< 2 L

SOFTWARE SPECIFICATIONS	
<b>Technical Standard</b>	3GPP Release 12
<b>Peak Rate (20 MHz Bandwidth)</b>	DL: 150 Mbps/ UL: 50 Mbps
<b>Operational Capacity</b>	Support 64 concurrent users, 128 RRC connected users
<b>Scheduling Method</b>	3GPP standard QCI
<b>Modulation</b>	Uplink: BPSK, QPSK, 16QAM Downlink: BPSK, QPSK, 16QAM, 64QAM
<b>Voice Solution</b>	VoLTE
<b>SON</b>	Support automatic configuration, ANR and PCI conflict detection
<b>Network Management Interface</b>	Support TR069 interface protocol
<b>MTBF</b>	< 150,000 hours
<b>MTTR</b>	< 1 hour
<b>O&amp;M</b>	<ul style="list-style-type: none"> <li>Remote/local maintenance, based on SSH protocol</li> <li>Online status management</li> <li>Performance statistics</li> <li>Fault management</li> <li>Configuration management</li> <li>Local or remote software upgrade and loading</li> <li>Support log</li> <li>Connectivity diagnosis</li> <li>Self-start and self-configuration deployment</li> <li>Alarm reporting, support KPI reporting</li> <li>User information tracking</li> </ul>

**sCELL-EF DATASHEET****ENVIRONMENTAL SPECIFICATIONS**

<b>Operating Temperature</b>	-5 °C ~ 40 °C   23 °F ~ 104 °F
<b>Humidity</b>	10% ~ 95%

\* Frequency band can be customized according to specific projects

Contact Us

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