

sCELL-H2000-V2 2X40W DATASHEET

sCELL-H2000-V2

LTE Integrated eNodeB



2*40W with MIMO
Passive Cooling IP65
256 Concurrent Users

The sCELL-H2000-V2 from SUNWAVE is an advanced outdoor LTE compact product that operates in FDD mode. This eNB provides users with high-speed broadband wireless access to the Internet using 2x40W output power (2x2 MIMO with 40W output each channel). This eNodeB can operate in 3,5,10,15,20 MHz bandwidth, supporting 256 concurrent users.

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KEY FEATURES

- Standard LTE FDD Band 28
- Complies with 3GPP Release 15 standard
- Supports 3/5/10/15/20 MHz bandwidth
- GUI-based local and remote Web management
- TR069 network management interface support
- 256 concurrent users
- Passive Cooling IP65

HARDWARE SPECIFICATIONS	2x40W
LTE Mode	FDD
Frequency Bands	Band 28 (Support UL 703-748 / DL 758-803)
Channel Bandwidth	3/5/10/15/20 MHz
Max Output Power	46dBm / channel
Power Supply	-48V DC or AC176V~230V 50/60 HZ
Power Consumption	≤ 450W
Receive Sensitivity	< -103dBm
Synchronization	GPS/1588V2
Backhaul Interfaces	One optical (SFP) interface and RJ-45 Ethernet interface
Debug Interface	One RJ-45 Ethernet interface for BBU/RRU Local Debugging
GPS Interface	One N-type interface
RF Interface	Two N-type interfaces
MIMO	2 x 2
Installation	Pole or wall mount
Dimensions (HxWxD)	420 x 450 x 152 mm
Weight	21.2 kg
MTBF	> 100,000 hours

SOFTWARE SPECIFICATIONS

LTE Standard	Complies with 3GPP Release 15
User Capacity	256 concurrent users
Modulation	DL: QPSK, 16QAM, 64QAM UL: QPSK, 16QAM, 64QAM
Network Management	TR069
Maintenance	Remote or local maintenance Online status management Performance statistics

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Fault management
 Local or remote software upgrade
 Logging
 Connectivity diagnosis
 Automatic start and configuration
 Alarm reporting
 User information tracing
 Signaling trace

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 °C ~ +55 °C
Storage Temperature	-40 °C ~ +70 °C
Humidity	5% ~ 85%
Atmospheric Pressure	70 KPa ~ 106 KPa
Ingress Protection Rating	IP65

Note: Features may vary based on model or region.

TYPICAL APPLICATION



In rural and suburban areas, the wireless network coverage is relatively wide, but the users are less fixed than the fixed ones. By deploying LTE integrated high-power base stations in a town or natural village, the signal coverage in a small area can be achieved, reaching low Investment in rural 4G wireless access.

In order to solve the indoor and outdoor coverage problems of large and medium-sized scenes in Hunan Province, Hunan Mobile purchases our integrated high-power base stations to increase the breadth and depth of network coverage, which greatly improves network quality and service quality.



Rural



Road



Industrial Campus



Capacity Compensation

Contact Us

en.sunwave.com