

sCELL-H2000 (2x40W) DATASHEET

## sCELL-H2000

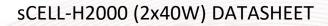
LTE Integrated eNodeB



2\*40W with MIMO Passive Cooling IP65 192 Concurrent Users 384 RRC Users

The sCELL-H2000 from BTI WIRELESS 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 5, 10, 15 or 20 MHz bandwidth, supporting 128 concurrent users and 256 RRC users.

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## **KEY FEATURES**

- Standard LTE FDD Band 3/Band 5 or customized
- Complies with 3GPP Release 13 standard
- Supports 5/10/15/20 MHz bandwidth
- GUI-based local and remote web management
- TR069 network management interface support
- External high-gain antenna
- Peak rate (per unit): DL 145 Mbps, UL 45 Mbps @ 20 MHz bandwidth
- 128 concurrent users per eNodeB, 256 RRC users per eNodeB
- Passive Cooling IP65

HARDWARE SPECIFICATIO	NS	
LTE Mode	FDD	
Frequency Bands	B3/B5 or customized	
Channel Bandwidth	5 MHz, 10 MHz, 15 MHz, 20 MHz	
Max Output Power	46dBm / channel	
Power Supply	220V AC (176V~264V)	
Power Consumption	≤ 350W	
<b>Receive Sensitivity</b>	< -101.5dBm	
Synchronization	GPS, 1588 (optional)	
Interfaces	One optical (SFP) and one RJ-45 Ethernet interface	
ΜΙΜΟ	2 x 2	
Installation	Pole or wall mount	
Antenna Type	External high-gain antenna compatible with N Female interface	
Dimensions (HxWxD)	420 x 450 x 164.5 mm   16.5 x 17.7 x 6.48 in	
Weight	< 22 kg   31.1 lbs (exclude accessories)	

SOFTWARE SPECIFICATIONS		
LTE Standard	3GPP Release 13	
User Capacity	128 concurrent users, 256 RRC users	
Modulation	QPSK, 16QAM, 64QAM	
Network Management	TR069	
	Remote or local maintenance	
	Online status management	
Maintenance	Performance statistics	
	Fault management	
	Local or remote software upgrade	

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## sCELL-H2000 (2x40W) DATASHEET

Logging
Connectivity diagnosis
Automatic start and configuration
Alarm reporting
User information tracing
Signaling trace

TIONS	
-40 °C ~ +55 °C   -40 °F ~ +131 °F	-
-40 °C ~ +75 °C   -40 °F ~ +158 °F	
5% ~ 95%	
IP65	_
Passive Cooling	_
	-40 °C ~ +75 °C   -40 °F ~ +158 °F 5% ~ 95% 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** 

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