

sCELL-H2000

LTE Integrated eNodeB

2*20W 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 TDD mode. This eNB provides users with high-speed broadband wireless access to the Internet using 2x20W output power (2x2 MIMO with 20W output each channel). This eNodeB is capable of operating in 5, 10, 15, or 20 MHz bandwidth, supporting 192 concurrent users and 384 RRC users.

KEY FEATURES

- Standard LTE TDD Band 38/40/41 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 30 Mbps @ 20 MHz bandwidth
- 192 concurrent users per eNodeB
- 384 RRC users per eNodeB
- Passive Cooling IP65

HARDWARE SPECIFICATIONS

LTE Mode	TDD
Frequency Bands	Band 38/40/41 or customized
Channel Bandwidth	5 MHz, 10 MHz, 15 MHz, 20 MHz
Max Output Power	43dBm / channel
Power Supply	DC 48V
Power Consumption	≤ 250W
Receive Sensitivity	< -104dBm
Synchronization	GPS, 1588 (optional)
Interfaces	One optical (SFP) and one RJ-45 Ethernet interface
MIMO	DL: 2 x 2
Installation	Pole or wall mount
Antenna Type	External high-gain antenna compatible with eNodeB 4.3-10 Female interface
Dimensions (HxWxD)	400 x 300 x 125 mm 15.75 x 11.81 x 4.92 in
Weight	< 20 kg 44.1 lbs (exclude accessories)
MTBF	> 100,000 hours

SOFTWARE SPECIFICATIONS


LTE Standard	3GPP Release 13
User Capacity	192 concurrent users 384 RRC users
QoS Control	3GPP standard QCI (1, 5, 9)
Modulation	DL: QPSK, 16QAM, 64QAM, 256QAM UL: QPSK, 16QAM, 64QAM

Traffic Offload	Local breakout
Network Management	TR069
Maintenance	<ul style="list-style-type: none"> Remote or local maintenance Online status management Performance statistics 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 -40 °F ~ +131 °F
Storage Temperature	-40 °C ~ +75 °C -40 °F ~ +158 °F
Humidity	5% ~ 98%
Atmospheric Pressure	86 KPa ~ 106 KPa
Ingress Protection Rating	IP65
Lightning Protection	GB/T 17626.5 standard

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

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