



NOVA 1W

Powerful. Compact. Revolutionary.

Baicells introduces the most economical LTE micro base station. This device is plug and play- set up and deploy this device to an existing network by simply connecting the power and Ethernet ports. Manage it with an intuitive OAM platform as the Nova continues to optimize the network with SON technology.

Rugged & Compact

The Nova has been built to IP67 standards to withstand harsh conditions and challenging environments. Weighing less than 10 lbs, it is also the lightest macro base station you can buy.

Scalable & Flexible

The Nova is plug-and-play and utilizes our innovative cloud EPC with SON technology, which provides you with a scalable and flexible method to control your CPEs.

Expansive Coverage

Provide outdoor coverage with LOS and challenging NLOS. The powerful Nova LTE base station allows subscribers to continue to enjoy stable bit rates and low latency even with a high concentration of users.

GPS Synchronization

The Nova uses GPS synchronization to reduce frequency interference with other base stations. This increases the data throughput and allows for frequency reuse.

Technical Specifications

Voice Service: CSFB & VoLTE

Network Interfaces: (x2) 1G Ethernet

Traffic Management: LIPA/SIPT function

Network Connection Security: IPsec

OAM Protocol: DSL Forum TR-069

Smart SON with Plug & Play support 3GPP Version: R9

Frequency Bands: Band 42/43

Signal Strength & Frequency: 3.5GHz / 30dBm

Duplex Mode: TDD

Channel Bandwidth: 10MHz / 20MHz

Max TX Power: 2*1W

MIMO: DL 2*2 MIMO

Synchronization: GPS, OTA

Capacity: 32 Active

Antenna: Connectorized for external antenna

Operating Temperature Range: -35°C to 55°C/-30°F to 131 °F

Environmental: IP67

Power Supply: 100-240V AC/DC 48V adapter

Power Consumption: <65W

Maximum Throughput: Downlink: 110 Mbps@20MHz; uplink: 20 Mbps@20MHz

Dimensions(LxWxD): 13" x 8 1/2" x 4 1/8" (33cm x 21.5cm x 10.4cm)

Weight: 8.8 lbs (4 kg)

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Port View

