



ATOM 19.5dBi

Outdoor CPE

Simple. Advanced. Economical.

The BaiCells 19.5 dBi model Atom CPE is the most powerful integrated fixed wireless LTE CPE on the market. No other CPE offers such a high gain antenna in an integrated, sleek form factor. Additionally, it's so rugged that it's earned an IP67 environmental rating. The 19.5 dBi Atom ships with weather-proofing and an industrial grade mounting system. This simple yet advanced CPE is also incredibly affordable, making it an economical choice too.

Unparalleled Connectivity

The highest gain integrated fixed wireless LTE CPE, providing the extra signal you need to power through the foliage that other devices can't. A state-of-the-art, laser-etched dual slant element grants superior and consistent performance.

Rugged

IP67 toughness for your most challenging environmental conditions. Dual layers of gasket sealing provide advanced protection from moisture ingress.

Plug-and-Play

The Atom is quick to set up, allowing for instant connection to your BaiCells Nova LTE base station without configuration. An intuitive GUI means optimization is simple.

LTE Integration

BaiCells is committed to standards, so your Atom CPE should seamlessly connect to any standard TDD LTE base station on the same band.

Technical Specifications

3GPP: R9, TDD Mode

Band: 42/43

Bandwidth: 5/10/15/20MHz

Output Power: 23dBm (200mW)

Receiving Sensitivity: -94dBm

Ethernet LAN Port: One RJ-45 port 10/100 auto-sensing, auto MDX

LED Indicators: Power/LTE Signal/LAN Indicator

Frequency: 3.5GHz

Antenna: 19.5dBi, $\pm 45^\circ$

Gross Throughput: DL 110Mbps, UL 20Mbps

USIM: Support 1.8/3.3V 2FF USIM

Environmental: IP67

Operating Temperature: $-40 \sim 55^\circ\text{C}$

Storage Temperature: $-40 \sim 70^\circ\text{C}$

Operating Humidity: $5 \sim 95\%$

Operating Input Voltage Range: $9 \sim 28\text{VDC}$

Dimensions(LxWxD): $11'' \times 11'' \times 2 \frac{3}{8}''$
(28cm x 28cm x 35.5cm)

Weight: 3.4 lbs (1.5 kg)

Back View



Port View

