



Ideal Use Cases

- Fixed Wireless Access (FWA)
- Last Mile Connectivity
- Private Networks
- Residential or SMB Users
- Remote Workers
- Delay Sensitive and Bandwidth Intensive Applications

BEC's Universal 5G CPE features an innovative modular design enabling optimal location mounting for best signal. There is standard desktop placement, indoor and outdoor window mounting, and additional options for wall or pole mounts. The 8355 5G uCPE offers exceptional performance with an industry-leading MIMO antenna design ensuring capacity and coverage regardless of placement.

Powerful multi-core CPU delivers ultra-high data rates and lower latency for the ultimate subscriber experience.

Many subscribers enjoy the convenience and flexibility of indoor and outdoor self-installation, and operators benefit from reduced operational costs and faster deployments.



Specification

Global Band Support

- 5G Frequency Bands (SA / NSA)
n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n38, n40, n41, n48, n66, n70, n71, n75, n76, n77, n78, n79
- LTE Frequency Bands (FDD / TDD)
1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 32, 34, 38, 39, 40, 41, 42, 43, 46, 48, 66, 71

Carrier Aggregation

- 5G sub-6 GHz: (FDD + FDD, TDD + TDD, FDD + TDD DL 4CA/ UL 2CA)
- 4G LTE: 5CA DL / 2CA UL

Peak Data Rates

- 5G SA sub-6 GHz: DL 2.4 Gbps; 900 Mbps UL
- 5G NSA sub-6 GHz: DL 3.4 Gbps; 550 Mbps UL
- LTE (CAT 19): DL 1.6 Gbps; 200 Mbps UL

(Theoretical data rates, actual data rates are dependant on network conditions)

RF Characteristics

- Modulation: 256 QAM DL / 256 QAM UL / 64 QAM UL LTE
- 5G Transmit Power: 23 dBm ±2 dB, HPUE: n38/n40/n41/n77/n78/n79
- LTE Transmit Power: 23 dBm ±2 dB, HPUE: B38/B1/B442/B43
- Embedded High-Gain 4x4 MIMO Antenna
- Frequency Range: 600 MHz - 4000 MHz

Hardware Interface

- eSIM with (1) 2FF SIM Slot
- (1) 2.5 Gigabit Ethernet PoE
- LED Indicators: Power, Ethernet 1 and 2, Signal and Internet

Dimensions and Weight

- 8.5" (D) x 1.5" (H) (215mm x 38 mm)
- 1.1 lbs. (460g)

Operating Temperature

- 40° to 140° F (- 40° to 60° C)

Deployment Options



Indoor



Outdoor



Front Panel