

# CPE12000

The CPE12000 is a 256QAM Cat 12 UE, designed to meet the challenging connectivity demands. Supporting Carrier Aggregation technologies and achieving high throughput, the CPE12000 provides quality performance. These units provide a seamless wireless experience that keeps homes and businesses connected.

## LTE Specifications

LTE Interface	
<b>Standard Compliance</b>	3GPP Release 12
<b>LTE UE Category</b>	Cat 12
<b>Duplex Mode</b>	TDD
<b>Frequency Bands</b>	3.4-3.8 GHz (B42,B43, B48), 2.3-2.4 GHz (B40), 2.5-2.7 (B38, B41)
<b>Channel bandwidth</b>	5 MHz, 10 MHz, 15 MHz, 20 MHz
<b>Carrier Aggregation</b>	Contiguous / Noncontiguous
<b>Uplink Modulation</b>	QPSK, 16QAM, 64QAM
<b>Downlink Modulation</b>	QPSK, 16QAM, 64QAM, 256QAM
<b>L1</b>	DL MIMO 4x4
<b>L2 &amp; L3</b>	Multiple APN; PLMN and Cell Selection
<b>Authentication</b>	USIM SIM function (1.8V and 3.3V SIM and USIM card)
<b>QoS</b>	Non-GBR, GBR



## CPE Specifications

CPE12000 Outdoor	
<b>Dimensions (HxWxD)</b>	260 x 250 x 80 mm   10.2 x 9.8 x 3.1 in
<b>Weight</b>	1.2 Kg   2.6 lbs
<b>User Interface</b>	LAN - 1x100M/1Gb Base-T USIM
<b>Maximum Transmit Power</b>	23 dBm
<b>Antenna</b>	2TX/4RX, 13 dBi in 3.5 GHz, 11 dBi in 2.5 GHz
<b>Power Source</b>	100~240VAC
<b>Environmental</b>	IP67
<b>Operating Temperature</b>	-40° to 55° C   -40° to 131° F

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