

MobiLink 9700 CAT6 Outdoor LTE CPE

CBRS Band Support



OVERVIEW

EION MobiLink 9700 is a cost-effective, powerful, CBRS Band Support CAT6 outdoor LTE CPE. It is a product solution specifically designed to meet the challenging demands of today's high-speed fixed wireless access deployments for residential, business and enterprise users. ML9700 CPE provides 3GPP standard implementation of LTE Release 10/11 specification.

ML9700 has a built-in 4x4 MIMO high gain antenna, that enables a longer reception range, from the eNodeB base station. ML9700 supports 2 x 2 MIMO, Carrier Aggregation, QAM64 modulation with a throughput performance upto 200 Mbps.

ML9700 has one Dataport and TR-069 and Web device management; IPv4 and IPv6 DS-Lite Support. It has Layer 2 & 3 support; and QoS for multiple services in Layer 2. The high-gain 15 dBi antenna yields more efficient use of network with a larger cell reach, carrier class service, and more customer service probability.

Advanced Orthogonal Frequency Division Multiplexing (OFDM) modulation enhances performance in non-line-of-sight (NLOS) conditions to ensure immunity to interference and multi-path conflicts, typical of deployments in densely populated urban areas. ML9700 is cost-effective, IP67 environmental-rated, with a rugged enclosure and is very reliable in extreme weather deployments.

PRODUCT FEATURES

- Cost-effective & compact design with built-in high-gain LTE antenna
- 3GPP Release 10/11, Cat 6
- Frequency Band: B40, B41, B42, B43, B48
- Channel Bandwidth: 5, 10, 15 and 20 MHz
- Output Power: 23 dBm per Tx
- Antenna Gain: 15 dBi
- Operation Mode: 2Rx, 1Tx
- 1 x RJ45 Gigabit Ethernet Port
- IPv4 and IPv6 DS-Lite Support
- TR-069 and Web device management support
- DL MIMO 2 x 2
- L2 & L3: Multiple APN; PLMN and Cell selection
- QOS: Non-GBR, GBR

Band	Frequency (MHz)	Uplink, Downlink (MHz)	FDD/TDD	Channel Bandwidth (MHz)
40	2300	2300-2400	TDD	5,10,15,20
41	2500	2496-2690	TDD	5,10,15,20
42	3500	3400 - 3600	TDD	5,10,15,20
43	3700	3600 - 3800	TDD	5,10,15,20
48	3600	3550-3700	TDD	10,20

ORDERING INFORMATION

Product Code	Product Description
4181-00-97-00	MobiLink 9700 CAT6 Outdoor LTE CPE
4181-00-97-00-M500	MobiLink 9700 CAT6 Outdoor LTE CPE MOQ 500 units

RADIO SPECIFICATIONS

Standard Compliance	3GPP Release 10/11
LTE UE Category	Cat 6
Operation Mode	TDD, 2Rx, 1Tx
Carrier Aggregation	Contiguous/Non-contiguous; Two Carriers
Modulation	QPSK, 16QAM, 64 QAM
L1	MIMO 2x2
L2 & L3	Multiple APN, PLMN and Cell Selection
Antenna Gain	15 dBi
Channel Bandwidth	5, 10, 15 and 20 MHz
Output Power	23 dBm per Antenna port
SIM Support/Authentication	USIM SIM function (1.8V and 3.3V SIM and USIM card)
QoS	Non-GBR, GBR
Data Interface	1 x RJ45 Gigabit Ethernet Port USIM
Remote Management	TR-069 and Web device management
CPE locking to eNodeB	Yes
Throughput	Upto 200Mbps
Optional	Residential Gateway supporting WiFi 802.11ac, 1Gbps LAN ports and VoIP

PHYSICAL, ELECTRICAL & ENVIRONMENTAL

Power Source	100~240VAC
Power Consumption	< 15W
Operating Temperature	-40 C to +55°C
Environmental	RoHS and WEEE
Radio Enclosure	IP67
Humidity	95% max Non-condensing
Radio Certification	FCC, CE
Dimensions	260 mm x 250 mm x 80 mm
Weight	1.2 Kg