



MobiLink 9720 Cat12 Outdoor LTE CPE

CBRS Band Support | 256QAM DL | 4x4 MIMO

OVERVIEW

EION MobiLink 9720 is a cost-effective, powerful, CBRS Band Support Cat 12 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.

ML9720 has a built-in high gain antenna, that enables a longer reception range, from the eNodeB base station. ML9720 supports Carrier Aggregation, 256QAM modulation on the Downlink and 64QAM modulation.

ML9720 has one Dataport for 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 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. ML9720 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 12, Cat 12
- Frequency Band: B42, B43, B48 (3.4 to 3.8GHz)
- Channel Bandwidth: 5, 10, 15 and 20 MHz
- Output Power: 23 dBm per Tx
- Antenna Gain Options:
 - 13 dBi
 - 17 dBi
 - 20 dBi (1Tx 2Rx)
- DL MIMO 4x4
- 1 x RJ45 Gigabit Ethernet Port
- IPv4 and IPv6 DS-Lite Support
- TR-069 and Web device management support
- 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
4181-00-97-20-13	MobiLink 9720 CAT12 Outdoor LTE CPE with Integrated 13dBi antenna
4181-00-97-20-17	MobiLink 9720 CAT12 Outdoor LTE CPE with Integrated 17dBi antenna
4181-00-97-20-20	MobiLink 9720 CAT12 Outdoor LTE CPE with Integrated 20dBi antenna
4181-00-97-20-13-M1000	MobiLink 9720 CAT12 Outdoor LTE CPE with Integrated 13dBi antenna - MOQ 1000 units
4181-00-97-20-17-M1000	MobiLink 9720 CAT12 Outdoor LTE CPE with Integrated 17dBi antenna - MOQ 1000 units
4181-00-97-20-20-M1000	MobiLink 9720 CAT12 Outdoor LTE CPE with Integrated 20dBi antenna - MOQ 1000 units

RADIO SPECIFICATIONS

Standard Compliance	3GPP Release 12
LTE UE Category	Cat 12
Duplex Operation Mode	TDD
Carrier Aggregation	Contiguous/Non-contiguous
Modulation	DL: QPSK, 16QAM, 64 QAM, 256QAM; UL: QPSK, 16QAM, 64 QAM
L1	DL MIMO 4x4
L2 & L3	Multiple APN, PLMN and Cell Selection
Antenna Gain	3 antenna gain options: <ul style="list-style-type: none"> ○ 13 dBi ○ 17 dBi ○ 20 dBi (1Tx 2Rx)
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

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	13dBi Integrated antenna option: 265 mm x 265 mm x 75 mm 17dBi and 20 dBi Integrated antenna option: 330 mm x 330 mm x 72 mm
Weight	1.3 Kg