

MobiLink 6300D LTE Outdoor CPE



OVERVIEW

EION MobiLink 6300D is a cost effective and advanced CPE data unit with built-in LTE MIMO antennas. It is intended for outdoor deployments. It uses latest CAT7 technology and provides advanced technical features 4x4 MIMO, QAM64 modulation on the uplink and carrier aggregation. ML6300D CPE provides up to 23dBm TX power per antenna. This meets the demands of fixed wireless access deployments and high-speed wireless backhaul challenges by the 4G service operators.

MobiLink 6300D CPE supports multiple TDD band operations and multiple operator network support is possible which allows deployment across the country with different operators. MobiLink 6300D CPE is designed to provide reliable performance in challenging environment conditions with operating temperature range of -40 to +55°C. It uses advanced OFDM technology that makes the coverage immune to non-line-of-sight interference and multiple path conflicts even in high density areas and ensures high quality data services.

MobiLink 6300D CPE is fully integrated with preloaded device drives and can be self-installed quickly with provided PoE power adapter and mounting bracket accessories. The typical coverage area is 15km with good throughput performance over the air, enabling longer range of reception from the base station.

PRODUCT FEATURES

- 3GPP LTE Release 10 Compliant
- 23 dBm transmit power per antenna port
- Bands 7, 38, 40, 41, 42, 43 and 48
- Channels 5, 10, 20 MHz and CA support
- Bridge and Router Operation Support
- Feature of sim card locking
- Gigabit Ethernet connectivity (PoE+)
- Max Tx Power: 23dBm per antenna port
- Antenna Gain:
B7/38/40/41: 14dBi (2x2 CA), 10dBi (4x4 MIMO)
B42/43/48: 17dBi (2x2 CA), 13dBi (4x4 MIMO)
- MIMO Support:
4Rx, 2Tx, DL 4*4 MIMO,
DL & UL CA(2CC), UL QAM64
- Easy installation, configuration and management

Band	Frequency (MHz)	Uplink, Downlink (MHz)	FDD/TDD	Channel Bandwidth (MHz)
7	2600	2500-2570 2620-2690	FDD	5,10, 20
38	2600	2570 - 2620	TDD	5,10,15,20
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 Name	Product Description
4181-35-00-10	MobiLink 6300D LTE Outdoor CAT7 CPE

RADIO SPECIFICATIONS

Topology	Standard Wireless LTE
Frequency Range	Refer to the table
Channel Size	5, 10 & 20 MHz Channels
Output Power	23dBm per Antenna port
Bands	LTE-FDD 7 / LTE-TDD 38, 40, 41, 42, 43, 48/CBRS
SIM Card	Single SIM card slot (2FF)

NETWORK SPECIFICATIONS

Network Connection	1 Gigabit Ethernet port
Protocols	IPv4, IPv6 DS-Lite Support
Operational mode	Bridge and Router Operation Support
DHCP	DHCP or Static IP address Assignment, Built-in DHCP Server for LAN Devices
OAM Interfaces	Type 1 TR-069
LTE Features	3GPP Release 10, Category 7
Data Networking	<ul style="list-style-type: none"> • VPN Pass-through support • Built-in L2TPV3 & GRE Tunneling Clients • Firewall & Access Control • DMZ and Virtual Server Support • IP and Port Filtering Support • Local and Remote Management Restriction • Application Firewall Support • LAN Device Access Control

SECURITY

Management Access	Username and Password
Standard	3GPP LTE standard, air interface security, IPSEC AES Encrypted tunnels on all network connections, Per Device KPI key pairs
Firewall & Access Control	Yes

MANAGEMENT

Remote Management	OAM (CM, PM, FM, Diagnostics), Web-GUI, SNMP
Management Access	Telnet, HTTP, FTP, Over the Air/Wired
Backup Configuration	Download backup configuration files
Software Upgrade	Web-GUI

PHYSICAL ELECTRICAL & ENVIRONMENTAL

Mounting Bracket	Yes
Power Source	PoE++ Type 4 (48 VDC)
Power Consumption	< 15W
Operating Temperature	-40 C to +55°C
Environmental	RoHS and WEEE
Radio Enclosure	IP67
Relative Humidity	95% max Non-condensing
Radio Certification	~FCC
Dimensions	25 x 25 x 7.5 cm
Weight	<2.5 Kg