EION WIRELESS

MobiLink 4400D CAT7 LTE Indoor CPE

OVERVIEW

EION MobiLink 4400D is a cost-effective multiband LTE indoor Wi-Fi CPE designed to enable quick and easy LTE fixed data service deployment for residential and enterprise customers. It provides high speed LAN and Wi-Fi integrated services to end users who need both bandwidth and multi-media data service in enterprise or home.

ML4400D is a single port indoor Wi-Fi CPE based on the standard implementation of LTE specifications. With built-in multiple high gain antennas, it enables a longer reception range from the base station. This yields more efficient use of the network with a larger cell reach, guaranteed carrier class service, and customer service probability.

The device has one 10/100/1000Mbps LAN port and built-in 802.11b/g/n MIMO Wi-Fi and software firewall for security, providing an effective all-in-one solution to enterprise or residential customers. It can provide up to 230Mbps data throughput which can be very competitive to wired broadband access service.

 ML4400D is a user-friendly LTE CPE and very easy to configure and setup. Subscribers can just connect the device to their computer or home switch/router and the device is ready to offer an experience of surfing over Internet. The LEDs on the ML4400D have also been designed for user convenience and offer a clear sign of what the device is doing.

The compact design is well suited for enterprise and residential users. ML4400D offers rich management features which facilitate the task of service provider. It supports local management access, Telnet, WEB, and centralized remote OTA configuration, upgrades management and device monitoring via standard TR-069 ACS system.

PRODUCT FEATURES

- Compliant to 3GPP Release 10 LTE CAT7 specifications
- Router, bridge and by-pass networking, IPv4 & v6 and Multiple PDN support
- VPN and L2/L3 GRE client support
- Frequency Band: B3/7/20, 40/41, 42/43
- Channel Bandwidth: 1.4,3,5,10,15,20 MHz
- Output Power: 23dBm per Tx
- Antenna Gain: 2-6 dBi
- Operation Mode: TDD/FDD, 1T4R, 4x4 MIMO
- Modulation: DL & UL: QPSK, QAM16, QAM64
          Inter and Intra band CA Support
- Wi-Fi Interface:
    - Radio Access: 802.11b/g/n (2x2 MIMO)
    - Output Power: 15± 1dBm
    - Antenna: 3 dBi built-in
- UPS Battery backup option

Band	Frequency (MHz)	Uplink, Downlink (MHz)	FDD/ TDD
1	2100	1920 – 1980, 2110 - 2170	FDD
3	1800	1710 – 1785, 1805 - 1880	FDD
7	2600	2500 – 2570, 2620 - 2690	FDD
20	800	832 – 862, 791 - 821	FDD
28	700	703 - 748, 758 - 803	FDD
40	2300	2300 - 2400	TDD
41	2500	2496 - 2690	TDD
42	3500	3400 - 3600	TDD
43	3700	3600 - 3800	TDD

ORDERING INFORMATION

Product Name	Product Description
4181-44-00-D	MobiLink 4400D CAT7 LTE Indoor CPE
4181-44-00-D-M1000	MobiLink 4400D CAT7 LTE Indoor CPE MOQ 1000 units

RADIO SPECIFICATIONS

Operation Mode	TDD/FDD, 1T4R, 4x4 MIMO
Modulation	QPSK, QAM16, QAM64; Inter and Intra band CA Support
MIMO	DL 2x2 MIMO (4CA); DL 4x4 MIMO(2CA); UL 2x2 MIMO
Antenna Gain	2-6 dBi
Frequency Band	B3/7/20, 40/41, 42/43
Output Power	23 dBm
QOS Support	Non-GBR and GBR
LED Indicators	SYS, Wi-Fi, ETH, RF (4)
SIM Support	SIM card slot (2FF)

WIFI INTERFACE

Radio Access	802.11b/g/n (2x2 MIMO)
Output Power	15+1 dBm
Antenna	3 dBi built-in antenna
Max Users	10
Security	64/128-bit WEP, WPA/WPA2

NETWORK SPECIFICATIONS

Network Configuration	• Router and L3 Bridge Operation Support • Built-in DHCP Server for LAN Devices • IPv4, and IPv6 DS-Lite Support for LTE • Multiple PDN Interface Support • NTP Service Support
Data Networking Features	• VPN Pass-through (PPTP, L2TPV3 & IPsec) • Built-in L2TPV3 & GRE Tunneling Client • Firewall & Access Control • DMZ, Virtual Server • IP and Port Forwarding • Local and Remote Management Restriction • Application Firewall Support
Remote Management Access	• CLI, Telnet and Secure Telnet Access • HTTP and HTTPS Management Interfaces • Standard TR-069 Management • FTP and HTTP OTA firmware upgrade
Device Factory Default Setting	• Yes

PHYSICAL, ELECTRICAL & ENVIRONMENTAL

Power DC	DC 12V/1.0A, <8W, Adapter
Power Consumption	< 20W
Operating Temperature	-15 C to +55℃
Humidity	90% max Non-condensing
Dimensions	122mm x 122mm x 162mm
Weight	<350g