

KZ TECHLTE

ODUProduct Series



AirMaster 4000D LTE Outdoor CPE

CONVENIENT WIRELESS BROADBAND ACCESS

AirMaster 4000D is a high performance 4G LTE outdoor CPE product designed to enable quick LTE fixed data service deployment to the remote customers. It provides high data throughput and networking features to end users who need both bandwidth and quality service in the remote area.

RELIABLE PERFORMANCE

AirMaster 4000D is a cost effective outdoor data CPE based on the standard implementation of LTE release 9 specifications. It is able to meet the most demanding requirements from large service providers with high throughput and availability. With high gain directional patch antenna, AirMaster 4000D 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 PoE enabled data port and a simple software firewall for security, providing an effective all-in-one solution to remote enterprise or home networking needs. Factors such as integrated design, low power consumption, high antenna gain and improved heat dissipation designs further improve the operational life span of this device.

EASY USAGE & MANAGEMENT

AirMaster 4000D is a user-friendly LTE CPE, and very easy to install and maintain. Easy and simple installation for non-professional user delivers instant broadband anywhere. 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 AirMaster 4000D 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 home use in the outdoor environment. The IP addresses can be statically allocated or dynamically obtained via DHCP.

AirMaster 4000D 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 systems.

TECHNICAL FEATURES

AirMaster 4000D is fully compliant to the LTE Release 9 specification. It offers standard support for 4G features such as MIMO and AMC to maximize the system capacity and bandwidth throughput. The use of 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. Sophisticated QoS capabilities ensure true end-to-end QoS and support for high quality data services.

AirMaster 4000D has built-in router function and VPN client support to provide greater service flexibility and reliability. The standard PoE support, easy-to-read signal strength and data activity indicators in the back panel make it intuitive for users to install and check the status of the device.

The product is designed to operate in stringent outdoor environment and meets IP67, lightning and input power surge protection requirements. The supported product frequency band is LTE B43 (3.65-3.675GHz).



AM4000DLTE Outdoor CPE Specifications

Physical

Dimensions	198mm x 194mm x 48mm
Weight	< 1.5Kg
Power Consumption	< 12 W
Power Supply	48V/0.32A DC (PoE optional)

Environmental

Operating Temperature	-40°C--55°C
Storage Temperature	-30°C--85°C
Humidity	90% max Non-condensing

Wireless Interface

Radio Access	3GPP E-UTRA Release 9, CAT4
Frequency Band	B43 (3.65-3.675GHz)
Operation Mode	TDD, 2Rx, 1Tx, DL
Antenna Gain	15 dBi

User Interfaces

Data Interface:	1 RJ45 10/100M ETH Port
LED Indicators:	Power, System, LAN, SIM, RF(5)
SIM Support	SIM card slot

Networking Configuration

DHCP or Static IP address Assignment
Bridge and Router Operation Support
Built-in DHCP Server for LAN Devices
IPv4, IPv6 DS-Lite Support
Multiple PDN interface support
NTP Service Support

Data Networking Features

VPN Pass-through support (PPTP, L2TP & IPsec)
Built-in L2TP & GRE Client Support
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

Device Management

CLI, Telnet and WEB Management Interfaces
Standard TR-069 Management
Device Factory Default Setting
Virtual SIM Support

Industry Standards

ITU	
3GPP	3GPP E-UTRA Release 9
IEEE	
IEEE 802.3	10Base Ethernet
IEEE 802.3u	Fast Ethernet
OTHERS	
Water Resistance	IP67
Safety	FCC or CE

technician for help.

Information to Users

According to the FCC Part 15.19, 15.21, and 15.105 rules, for this EUT, the instructions or operation manual furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV