

简信通科技有限公司
JATON TECHNOLOGY



AirMaster 4000D LTE Outdoor CPE Series

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, lighting and input power surge protection requirements. To meet the different requirements of varied countries and regions, AirMaster 4000D come with different sub models to operate in different frequency bands as specified by the LTE standards. The currently supported product bands include B3, B7, B20, B38_40_41, and B42_43.



AirMaster 4000D Technical Specifications

Models				
Frequency Band	B3, B7	B20	B38_40_41	B42_43
Size (L x W x D)	203 × 203 × 76 mm	280 × 280 × 68 mm	203 × 203 × 76 mm	203 × 203 × 76 mm
Max RF Power	23dBm	23 dBm	23 dBm	27 dBm
Antenna Gain	11dBi	7 dBi	13 dBi	14dBi
Ordering P/N	AM4000D_B3 AM4000D_B7	AM4000D_B20	AM4000D_B38_40_41	AM4000D_B42_43

Physical

Dimensions	See table above
Weight	< 1.5Kg
Power Consumption	< 15 W
Power Supply	48 V/ 0.6A (PoE)

Environmental

Operating Temperature	-45°C--55°C
Humidity (Max)	95% Non-condensing

Wireless Interface

Radio Access	3GPP E-UTLA Release 9
Operation Mode	TDD or FDD, 2x1 MIMO
Output Power	23 or 27 dBm
Antenna	Cross polarized patch antenna
Throughput	Category 4

User Interfaces

Data Interface:	1 RJ45 10/100M ETH Port
LED Indicator:	PWR, SYS, LAN, SIM, RF (5)
SIM Support	SIM card slot
Power Supply:	48V PoE

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 and IPsec)
Built-in L2TP & GRE Tunneling 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

Industry Standards

ITU	3GPP	3GPP E-UTLA Release 9
IEEE	IEEE 802.3	10Base Ethernet
	IEEE 802.3u	Fast Ethernet
	IEEE 802.3af	Power over Ethernet
Others	Water Resistance	IP67