

MERCUSYS[®]

EasyMesh
Compatible

4G+ Cat6 AC1200 Wireless Dual Band Gigabit Outdoor/Indoor Router

Model: MB238-4G



867 Mbps + 300 Mbps
Dual-Band Wi-Fi*

4G (TDD & FDD) /
3G Compatible

Durable Outdoor
Enclosure

Connects up
to 64 Devices

Stay Connected Outdoors and Indoors

Say goodbye to Wi-Fi hotspots and embrace unparalleled wireless liberty. Effortlessly convert a 3G/4G signal into Wi-Fi and share it among multiple users for a truly shared wireless experience.



Swimming Pool



Outdoor Café



Yard

Ideal Scenarios

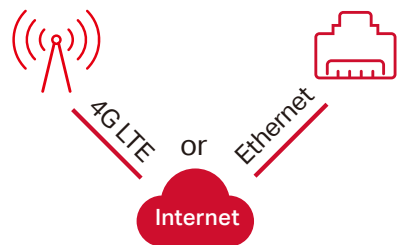
Extra Fast 4G+ Cat6 Speed for Reliable Dual-Band Wi-Fi

MB238-4G delivers 4G+ Cat 6 with Carrier Aggregation for superfast LTE speeds up to 300 Mbps down and 50 Mbps up. Easily convert a 3G/4G signal into a dual-band 1200 Mbps Wi-Fi network for smooth gaming, streaming, and more.

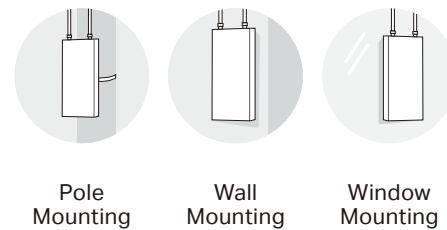
Perfect for Outdoor Networking

With multiple mounting options and a durable design, MB238-4G is simple to set up in various outdoor settings, ensuring stable performance in harsh outdoor environments.

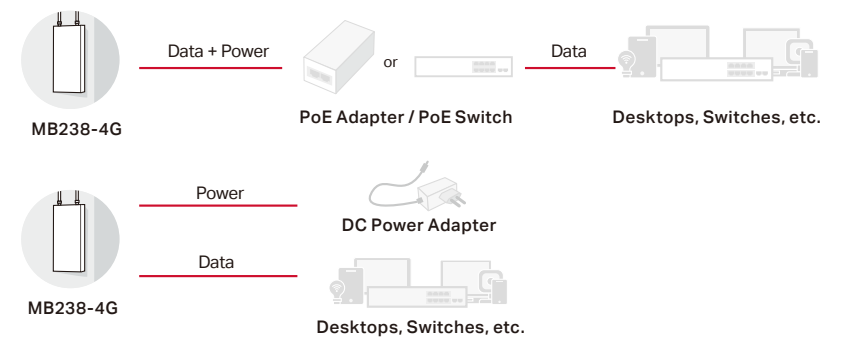
Flexible Internet Access



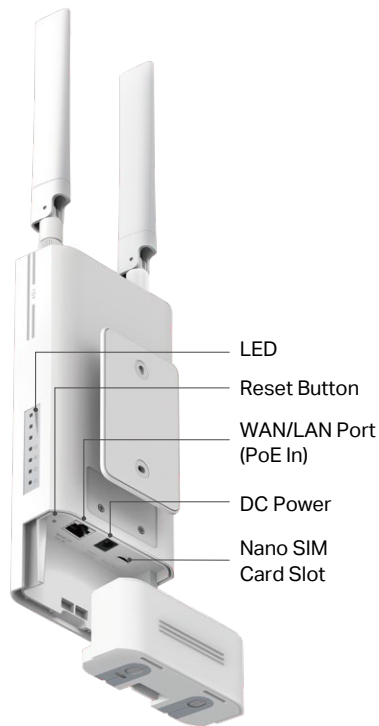
Multiple Installation Options



Simplified Network Deployment



// Specifications



Hardware

- **Ports:**
 MB238-4G:
 1× 1 Gbps WAN/LAN Port (PoE In) +
 1× Nano SIM Card Slot + 1× DC Port
 PoE Injector:
 1× PoE Out Port + 1× LAN Port + 1× AC Port
- **Antennas:**
 2× Detachable LTE Antennas
- **Button:**
 1× Reset Button
- **Dimensions:**
 230.9 × 97.2 × 54.7 mm (9.1 × 3.8 × 2.2 inches)
- **External Power Supply:**
 12V/1.5A DC
 48V/0.375A Passive PoE
 44-57V/0.35A 802.3af

Wireless

- **Network Type:**
 FDD-LTE: B1/B3/B5/B7/B8/B20/B28
 (2100/1800/850/2600/900/800/700 MHz)
 TDD-LTE: B38/B40/B41 (2600/2300/2500 MHz)
 DC-HSDPA/HSPA+/UMTS: B1/B5/B8 (2100/850/900 MHz)
- **Signal Rate:** 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)[†]
- **Wireless Standards:** Compatible with IEEE 802.11ac/a/b/g/n
- **Frequency:** 2.4 GHz, 5 GHz
- **Transmission Power:** 2.4 GHz < 20dBm, 5 GHz < 23dBm (EIRP)
- **Reception Sensitivity:**
 11g 6Mbps: -95dBm
 11g 54Mbps: -77dBm
 11n HT20 MCS7: -74dBm
 11n HT40 MCS7: -71dBm
 11a 6Mbps: -92dBm
 11a 54Mbps: -75dBm
 11ac VHT20 MCS8: -70dBm
 11ac VHT40 MCS9: -65dBm
 11ac VHT80 MCS9: -61dBm
- **Wireless Function:**
 Enable/Disable Wireless Radio, Wireless Schedule, WMM,
 Wireless Statistics
- **Wireless Security:**
 WPA/WPA2, WPA-PSK/WPA2-PSK encryptions

// Specifications

Software

- **WAN Type:** Dynamic IP/Static IP/PPPoE/PPTP(Dual Access)/L2TP(Dual Access)
- **DHCP:** Server, DHCP Client List, Address Reservation
- **Port Forwarding:** ALG, Virtual Server, Port Triggering, UPnP, DMZ
- **Dynamic DNS:** DynDns, NO-IP
- **Security:** NAT Firewall, Access Control, IPv4 SPI Firewall, IPv6 Firewall, IP and MAC Address Binding
- **Protocols:** IPv4, IPv6
- **Management:** Local Management, Remote Management
- **Administration:** Upgrade Firmware, Factory Default, System Log, Diagnostic Tools
- **Guest Network:** 2.4 GHz Guest Network, 5 GHz Guest Network

Others

- **Certification:** CE, RoHS, RCM
- **Requirements:**
Edge, Firefox, Chrome, Safari, or other JavaScript-enabled browser
*You are recommended to use the latest version
Nano SIM Card
- **Environment:**
Operating Temperature: -30°C~60°C (-22°F~140°F)
Storage Temperature: -40°C~70°C (-40 °F~158 °F)
Operating Humidity: 10%~90% RH
Storage Humidity: 5%~90% RH
- **Package Contents**
4G+ Cat6 AC1200 Wireless Dual-Band Gigabit Outdoor/Indoor Router (MB238-4G)
2× Antennas
1× 1.5 m RJ45 Ethernet Cable
1× PoE Injector
1× AC Power Adapter
Quick Installation Guide
Window/Pole/Wall Mounting Kits



www.mercusys.com

For support and warranty, please visit: <http://www.mercusys.com/support>

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†Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage, and quantity of connected devices are not guaranteed and will vary as a result of network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.

‡Maximum 4G download speeds depend on external factors such as the local 4G network coverage, data plan, real-time network capacity, client limitations, and environmental factors.

§This product has an IP65 dustproof and waterproof rating, but it is unsuitable for prolonged immersion or high-pressure water jets. Please install and use it according to the Quick Installation Guide; otherwise, the protective features may fail.

△Tested under controlled laboratory conditions. Per CE standards, protection levels are: Lightning/Surge Protection at 2kV for Differential Mode (DM) and 4kV for Common Mode (CM), and ESD Protection at 4kV for Contact Protection and 8kV for Air Protection. For optimal protection, please follow the setup instructions in the manual.