AC1200 Wireless XPON Router

Model: MF30G

EasyMesh Compatible

Highlights

- 1200 Mbps Wi-Fi Speed†
- EPON + GPON Dual Mode
- MU-MIMO*
- MERCUSYS App Control

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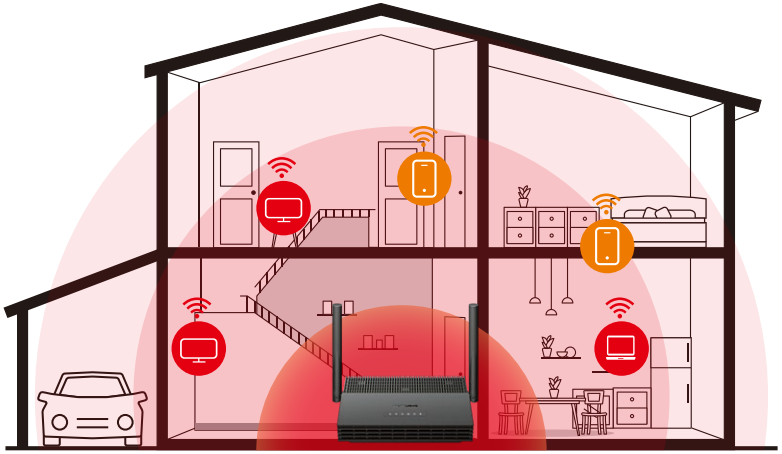
Elevate Your Home Entertainment Experience

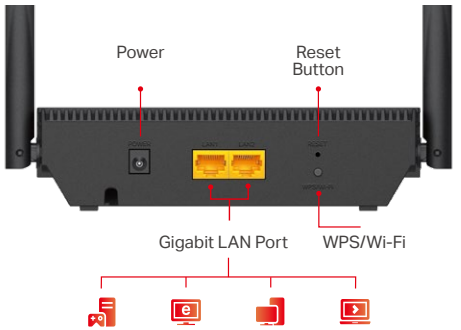
Get blazing-fast 1.2 Gbps speeds on dual-band Wi-Fi with gigabit port support. Stream, work, and game seamlessly — even with multiple devices online. Enjoy lag-free performance across all your devices, anytime.†

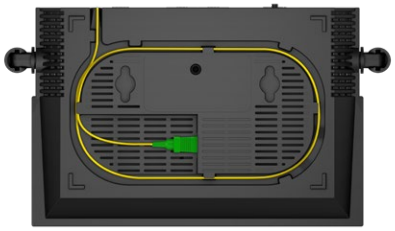
- 300 Mbps on 2.4 GHz
- 867 Mbps on 5 GHz



Gigabit Fiber and Ethernet Connections

Experience optimal performance for HD streaming and gaming with full gigabit Ethernet ports, complemented by a PON port for fiber internet access. Connect your PCs, smart TVs, and gaming consoles to the LAN ports to ensure fast and reliable wired connections.‡





MU-MIMO

Simultaneously transfers data to multiple devices, delivering performance that is twice as fast.*

Remote Management

Supports the OMCI (ONU Management Control Interface) protocol, enabling centralized configuration and management.

Flexible Switching Mode

The EPON + GPON dual mode provides enhanced flexibility for fiber internet access.

Smart Signal Targeting

Beamforming technology intelligently identifies your connected devices and focuses Wi-Fi signals directly to them, ensuring stronger, more stable connections throughout your space.

Specifications

Hardware

Ports
2× 10 / 100 / 1000 Mbps RJ45 Port+
1× SC / APC PON Port
Power Adapter Output
12V/1A
Button
Reset Button
WPS/Wi-Fi Button
Dimensions
170 × 112.5 × 45.8 mm
Antennas
Two External Antennas

Wireless

Standards
IEEE 802.11ac/n/a 5 GHz,
IEEE 802.11b/g/n 2.4 GHz
Signal Rate
867 Mbps on 5 GHz + 300 Mbps on 2.4 GHz†
Frequency
2.4 GHz, 5 GHz
Transmit Power
2.4 GHz: 26dBm (EIRP)
5 GHz: 28dBm (EIRP)
Wireless Security
WPA/WPA2/WPA3-PSK

Software

WAN Type
Dynamic IP/Static IP/Bridge/PPPoE
DHCP
Server, DHCP Client List
IGMP
Support IPTV, IGMPV2/3 and IGMP Snooping/Proxy
Routering
Static Routing, RIP
NAT Forwarding
ALG, Virtual Server, Port Triggering, DMZ, UPnP
Firewall Security
SPI Firewall, DDoS, Access Control, IP and MAC Address Binding
Guest Network
2.4 GHz Guest Network, 5 GHz Guest Network
Protocols
IPv4, IPv6
DDNS
Mercusys, NO-IP, DynDNS
Quality of Service
WMM
Parental Control

Specifications

General Specifications

GPON
ITU G. 984 standard, Class B+
2.488 Gbps downstream/1.244 Gbps upstream
EPON
1000BASE-PX20+ symmetric
1.25 Gbps downstream/upstream
Wavelength
1490nm downstream/1310nm upstream
Receiving Sensitivity
GPON: -27dBm; EPON: -27dBm
Saturated Power
GPON: -8dBm; EPON: -3dBm
Transmitting Power
GPON: 0.5~5dBm; EPON: 0~4dBm
Output Reflection Loss
>15dB 47 MHz~1000 MHz
Transmitter
DFB Laser
Receiver
PIN-TIA
Distance
0 ~ 20Km Max

Others

Package Contents
- AC1200 Wireless XPON Router (MF30G)
- Power Adapter
- Quick Installation Guide
- Ethernet Cable

Environment
- Operating Temperature: 0°C~40°C (32°F~104°F)
- Storage Temperature: -40°C~60°C (-40°F ~140°F)
- Operating Humidity: 10%~90% Non-Condensing
- Storage Humidity: 5%~90% Non-Condensing

†Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage 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.
*Use of MU-MIMO requires clients that also support MU-MIMO.
‡Actual network speed may be limited by the rate of the product's PON or LAN port, the rate supported by the network cable, internet service provider factors, and other environmental conditions
**MERCUSYS EasyMesh-compatible products can network with other devices that use EasyMesh. Failed connections may be due to firmware conflicts of different vendors. The EasyMesh-compatible function is still being developed on some models and will be supported in subsequent software updates.