

# AC1200 Wireless VoIP XPON Router

## Model: MF30Gv



### // Highlights

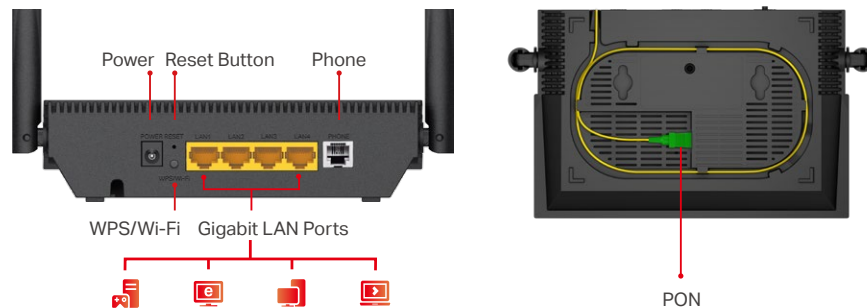
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- 1200 Mbps Wi-Fi Speed†
- EPON + GPON Dual Mode
- MU-MIMO\*
- MERCUSYS App Control
- VoIP Calls



## // 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.\*

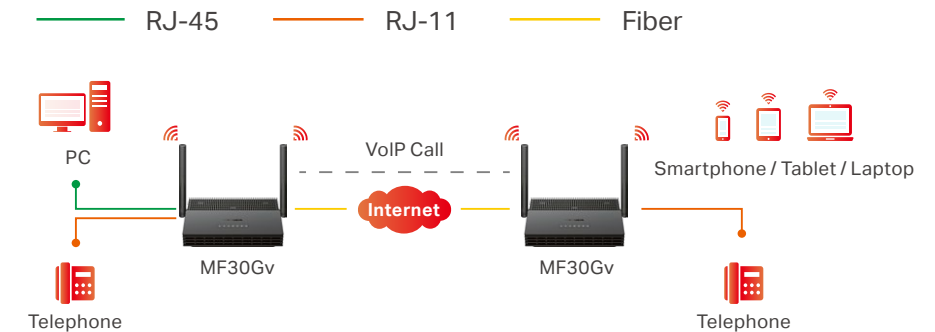


### Remote Management

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

## // VoIP Calls

Support multiple VoIP accounts and provides advanced call features such as caller ID, call waiting, hold, and forwarding—exceeding traditional landline capabilities.



### 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

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#### Ports

4 x 10 / 100 / 1000 Mbps RJ45 Port +  
1 x SC / APC Port + 1 x Phone Port

#### Power Adapter Output

12V/1A

#### Button

Reset Button

WPS/Wi-Fi Button

#### Dimensions

170 × 112.5 × 45.8 mm

#### Antennas

Two External Antennas

### Software

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#### VPN Passthrough

PPTP, L2TP

#### DHCP

Server, DHCP Client List

#### 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

#### Dynamic DNS

DynDNS, NO-IP

#### Routing

Static Routing, RIP

#### Quality of Service

WMM

#### Parental Control

#### Management

Web Based Configuration(HTTP), Remote management, Command Line Interface, SSL for TR-069, Web Based Firmware Upgrade, Diagnostic Tools, OMCI

#### VoIP Features

Call hold, Call forward, Warm call, Do not disturb, Call restriction, Speed dial, etc. Caller ID, 3-party conference, SIP account – up to 8 accounts

// Specifications

| Wireless  | General Specifications   | Others  |
|---|--|---|
| <b>Standards</b><br>2.4 GHz: 802.11b/g/n<br>5 GHz: 802.11a/n/ac<br><b>Signal Rate</b><br>867 Mbps on 5 GHz + 300 Mbps on 2.4 GHz†<br><b>Frequency</b><br>2.4 GHz, 5 GHz<br><b>Transmit Power</b><br>2.4 GHz: 26dBm (EIRP)<br>5 GHz: 28dBm (EIRP)<br><b>Wireless Security</b><br>WPA/WPA2/WPA3-PSK | <b>GPON</b><br>ITU G. 984 standard, Class B+<br>2.488 Gbps downstream/1.244 Gbps upstream<br><b>EPON</b><br>1000BASE-PX20+ symmetric<br>1.25 Gbps downstream/upstream<br><b>Wavelength</b><br>1490nm downstream/1310nm upstream<br><b>Receiving Sensitivity</b><br>GPON: -27dBm; EPON: -27dBm<br><b>Saturated Power</b><br>GPON: -8dBm; EPON: -3dBm<br><b>Transmitting Power</b><br>GPON: 0.5~5dBm; EPON: 0~4dBm<br><b>Output Reflection Loss</b><br>>15dB 47 MHz~1000 MHz<br><b>Transmitter</b><br>DFB Laser<br><b>Receiver</b><br>PIN-TIA<br><b>Distance</b><br>0 ~ 20Km Max | <b>System Requirements</b><br>Microsoft Edge, Firefox, Chrome, Safari, or other<br>JavaScript-enabled browser<br>*You are recommended to use the latest version<br><b>Package Contents</b> <ul style="list-style-type: none"><li>• 1x AC1200 Wireless VoIP XPON Router (MF30Gv)</li><li>• 1x Power Adapter</li><li>• Quick Installation Guide</li><li>• 1x Ethernet Cable</li></ul> <b>Environment</b> <ul style="list-style-type: none"><li>• Operating Temperature: 0°C~40°C (32°F~104°F)</li><li>• Storage Temperature: -40°C~60°C (-40°F ~140°F)</li><li>• Operating Humidity: 10%~90% Non-Condensing</li><li>• Storage Humidity: 5%~90% Non-Condensing</li></ul> |

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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 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 Ethernet WAN 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.