MERCUSYS®

AC1200 Wireless VoIP XPON Router
Model: MF30Gv

EasyMesh Compatible
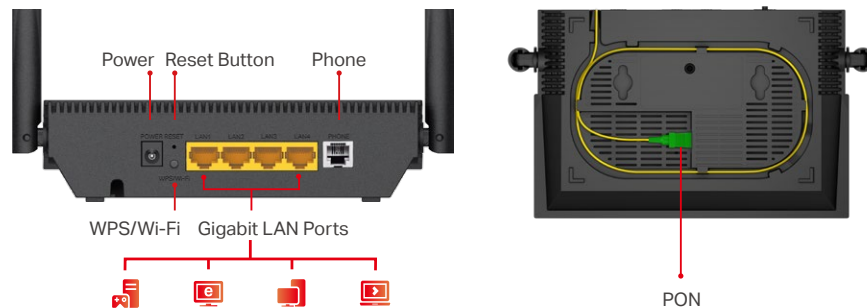
// Highlights

- 1200 Mbps Wi-Fi Speed[†]

- EPON + GPON Dual Mode

- MU-MIMO*

- MERCUSYS App Control

- VoIP Calls

Download on the **App Store**

GET IT ON **Google Play**

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.‡

Power Reset Button Phone

WPS/Wi-Fi Gigabit LAN Ports

PON

VoIP Calls

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

RJ-45   RJ-11   Fiber

PC

VoIP Call

Internet

MF30Gv   MF30Gv

Smartphone / Tablet / Laptop

Telephone   Telephone

MU-MIMO

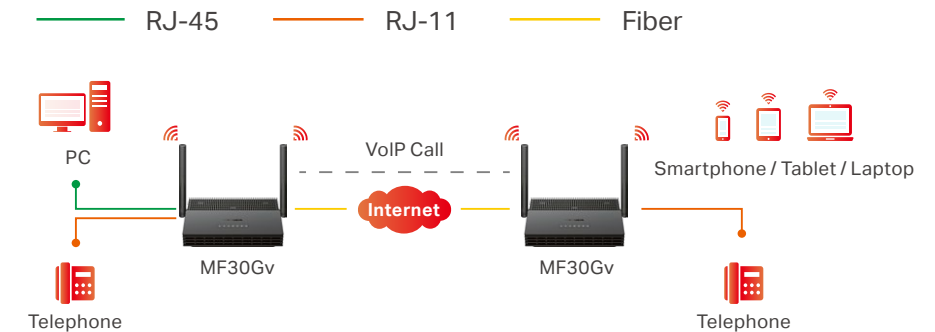Simultaneously transfers data to multiple devices, delivering performance that is twice as fast.*

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
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

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

Routering
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

Standards
2.4 GHz: 802.11b/g/n
5 GHz: 802.11a/n/ac

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

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

System Requirements
Microsoft Edge, Firefox, Chrome, Safari, or other JavaScript-enabled browser
*You are recommended to use the latest version

Package Contents
• 1x AC1200 Wireless VoIP XPON Router (MF30Gv)
• 1x Power Adapter
• Quick Installation Guide
• 1x 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

www.mercusys.com