

MF300

FTTH ROUTER MODEM

Features :

- **Gigabit Fiber Connectivity:** Provides speeds up to 2.5 Gbps using GPON technology, allowing fast and stable internet with a maximum transmission range of 20 km.
- **Dual-Band Wi-Fi:** Offers wireless connectivity with 2.4 GHz (600 Mbps) and 5 GHz (2400 Mbps) bands, powered by 2x2 MIMO technology, ensuring strong, stable Wi-Fi throughout the space.
- **Concurrent User Support:** Capable of supporting up to 128 simultaneous users across both Wi-Fi bands, making it ideal for environments with many devices.
- **Advanced VoIP Support:** Equipped with 2 RJ11 ports for voice services, supporting multiple codecs like G.711, G.722, and G.729
- **Flexible Wired Connectivity:** Equipped with 4 Gigabit Ethernet ports (RJ45) for high-speed, auto-sensing, and auto-MDI/MDIX connections to ensure versatile wired network options.
- **Comprehensive Security:** Ensures secure network connections with L2/L3 firewalls, Network Address Translation (NAT), DMZ, and VPN support (PPTP, L2TP).
- **Remote Management:** Supports TR-069 and SNMP protocols, enabling easy remote management and monitoring for service providers or administrators.



❖ Description:

The MF300 is a high-performance Fiber-to-the-Home (FTTH) router modem designed for fast, reliable internet access with both wired and wireless connectivity. It supports the latest GPON technology, providing up to gigabit speeds for homes or small businesses. Equipped with dual-band Wi-Fi, advanced POTS support, and robust security protocols, the MF300 is perfect for high-demand environments requiring seamless connectivity, voice services, and remote management capabilities.

❖ Specifications

Hardware Specification	Flash: SPI NAND Flash 128MB CPU: 950MHz, DDR2 128MB
Button	On/Off, WPS, Reset
PON Interface	1 GPON BoB(Class B+) Receiving sensitivity: $\leq -27\text{dBm}$ Transmitting optical power: $+0.5\sim+5\text{dBm}$ Transmission distance: 20KM
POTS Interface	2*RJ11 Connector Support: G.711/G.722/G.729codec
Wi-Fi Specification	Rate: 2.4GHz: 600Mbps (MIMO 2x2) 5GHz: 2400Mbps (MIMO 2x2) Antenna: 2 external antennas 5dBi IEEE: 802.11a/b/g/n/ac/ax Support Multiple SSID
Physical Ports	4*ETH RJ45 LAN Port 10/100/1000 Auto-Sensing, Auto-MDI/MDIX 2*RJ11 Port
Number of Concurrent Users	128(64x2.4GHz-64x5GHz), (MU-MIMO)
IP Index – Dual Stack	IPv4/IPv6
Operation Mode	Router/NAT/Bridge
Wavelength	TX: 1310nm, RX: 1490nm
TR069	Support
SNMP	Support
NAT Enterprise	Support
DHCP	Support
L2/L3 Firewall	Support
NAT Mode	Support
DMZ	Support

GRE Tunneling	Support
IP Routing	Support
SSH/Telnet	Support
Port Forwarding	Support
PPTP, L2TP VPN client	Support
L2TP BCP	Support
Web base Management - GUI	Support
Working Environment	Operating Temperature: -20 °C to +60 °C
Power	Input Universal Range 100~240V AC, Output:12V/2A DC
Power Consumption	≤24W
Case	ABS Material, Plastic case
Net Weight	0.35Kg
Dimension	208mm×133mm×42mm (L×W×H)

