


Model: GP1200V

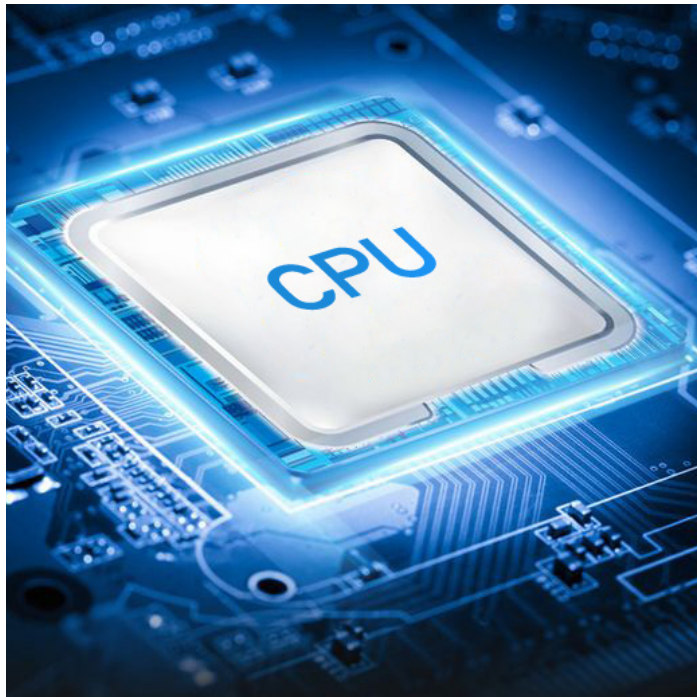
# AC1200

## Wireless Dual-Band Gigabit VoIP xPON Router

-  AC1200 Dual-Band Wi-Fi
-  Powerful 1.1 GHz Dual-Core Processor
-  GPON/EPON and Four Gigabit RJ45 Ports
-  VoIP via a FXS RJ11 Port
-  TR069/TR098/TR143/OMCI

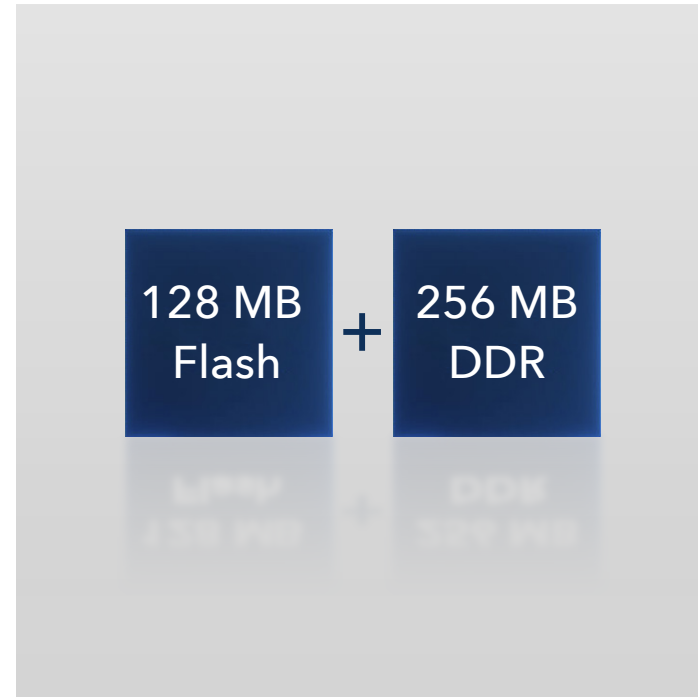


# Hardware



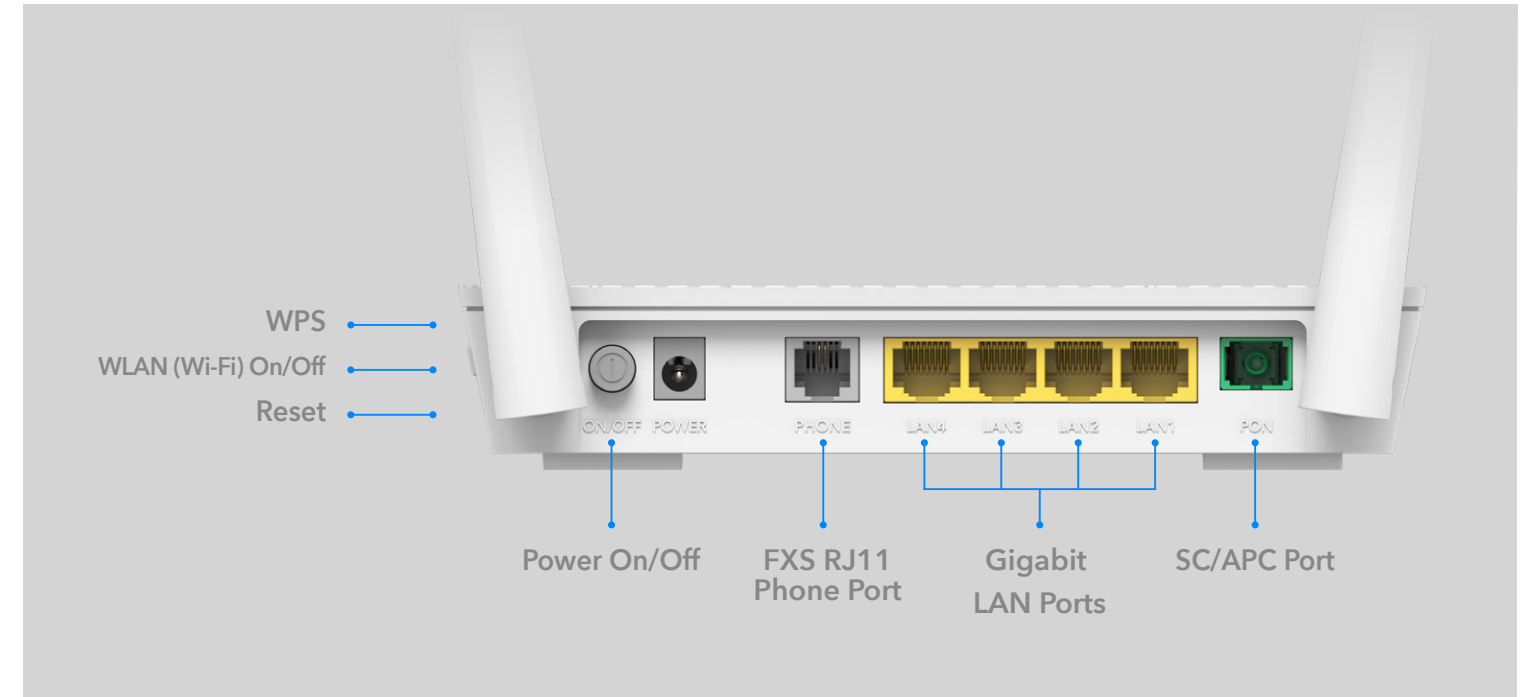
## Powerful Dual-Core Processor

Keeps network fast and responsive with a 1.1 GHz dual-core CPU, improving online experience and solidifying your service reputation.



## More Features, More Capacity

Large flash allows adding features to tailor ISP's needs. High RAM allows connecting more devices at the same time without slowing down.



## Crystal-Clear VoIP

Add value to your service with phone call subscription. The RJ11 allow user to connect a phone to it to have crystal-clear calling.

## Four Gigabit Ports

Provides decent wired connectivity, and removes the need to installing extra switch for large premises' wiring scenarios..

## Software



### IPv6

Supports more secure and advanced IPv6 protocol, enabling ISP to scale up their network high-performance with the latest features in efficiency, and compatibility.



### QoS

Advanced built-in QoS features allow ISPs to fine-tune the online experience, including latency-sensitive real-time applications, achieving high customer satisfaction.



### OMCI

Reduces procedures and expenses in the first-time installation and the future maintenance. OMCI enables OLT to set up the ONT and streamlines the management.

## Highlight

- A GPON and EPON ONT with AC1200 Wi-Fi for FTTH deployment
- Crystal-Clear VoIP Calling
- Compatible with TR069/TR098/TR143/OMCI
- Advanced QoS enables the fine-tuning of low-latency application experiences

## Hardware

Processor	RTL9607C-VB6+8812FR+8192FR
Flash	1 Gbit (128 MB)
DDR	2 Gbit (256 MB)
Antennas	2× Fixed Omni-Directional Antennas
Interfaces	1× SC/APC Port 4× 10/100/1000 Mbps RJ45 LAN Ports 1× USB-A 2.0 (Optional) 1× RJ11 Port 1× DC Jack
LED	Power, PON, LOS, Internet, LAN 1~4, 2.4 GHz Wi-Fi, 5 GHz Wi-Fi, WPS, USB (Optional), Phone (Optional)
Buttons	Power On/Off, Wi-Fi On/Off, WPS Button, Reset Button
External Power Supply	12 V / 1 A
Dimension ( W x D x H )	173×123.8×33 mm (6.81×4.87×1.3 inches)

## xPON

Protocols	GPON (ITU-T G. 984) EPON (802.3ah)
Upstream Speed	1.244 Gbps (GPON), 1.25 Gbps (EPON)
Downstream Speed	2.488 Gbps (GPON), 1.25 Gbps (EPON)
Wavelength	TX: 1310 nm RX: 1490 nm
Max Transmission Distance	20 km

## Wireless

Wireless Standards	IEEE 802.11ac/n/a 5 GHz IEEE 802.11n/b/g 2.4 GHz
Frequency	5 GHz, 2.4 GHz
Signal Rate	867 Mbps (5 GHz), 300 Mbps (2.4 GHz) Compatible with 802.11a/b/g/n/ac Wi-Fi standards
Transmit Power	CE: <20dBm(2.4 GHz), <23dBm(5.15 GHz~5.25 GHz) FCC:<30dBm(2.4 GHz & 5.15 GHz~5.825 GHz)
Wireless Features	Beamforming
Wireless Encryptions	WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK

## Software

WAN Type	Dynamic IP/Static IP/PPPoE
DHCP	Server, DHCP Client List, Address Reservation
Dynamic DNS	DynDNS, TZO, No-IP
Guest Network	2.4 GHz Guest Network × 1 5 GHz Guest Network × 1
NAT	Port Forwarding, Port Triggering, UPnP, DMZ
Working Mode	xPON Wi-Fi Router
Security	SPI Firewall/IP Filter/MAC Filter/Domain Filter
QoS	4 Queues/Port/MAC/802.1p/DSCP/Traffic Shaping
CWMP	TR069 / TR098 / TR143
OMCI	ITU-T G.988
Management	Local Management via Web Page
IPTV/VLAN	Bridge, Tag VLAN
Internet Protocols	IPv4 / IPv6
IPv6	Dynamic (SLAAC/DHCPv6) Static (Fixed IP)

## Others

Package	xPON Wi-Fi Router
Content	Power Adapter RJ45 Ethernet Cable Quick Installation Guide
Certificate	CE, FCC, RoHS
Environmental	Operating Temperature: 0 °C ~ 40 °C (32 °F ~ 104 °F)
Requirements	Storage Temperature: -40 °C ~ 70 °C (-40 °F ~ 158 °F) Operating Humidity: 10% ~ 90% non-condensing Storage Humidity: 5% ~ 90% non-condensing
System	Windows, macOS, Android, iOS, or other OS with networking capability
Requirements	Firefox, Chrome, Safari, Edge, or other up-to-date web browsers. An OLT and optical fibers are required for providing network access.