

Model: GP1200

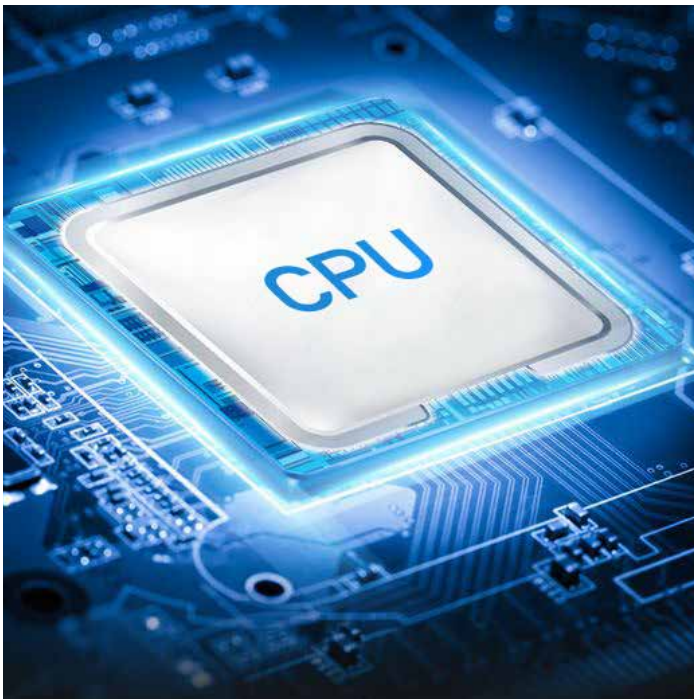
AC1200 Wireless Dual-Band Gigabit xPON Router

-  AC1200 Dual-Band Wi-Fi
-  Powerful Dual-Core Processor
-  GPON/EPON and Four Gigabit RJ45 Ports
-  TR069/TR098/TR111/TR143/TR181

[Datasheet](#)

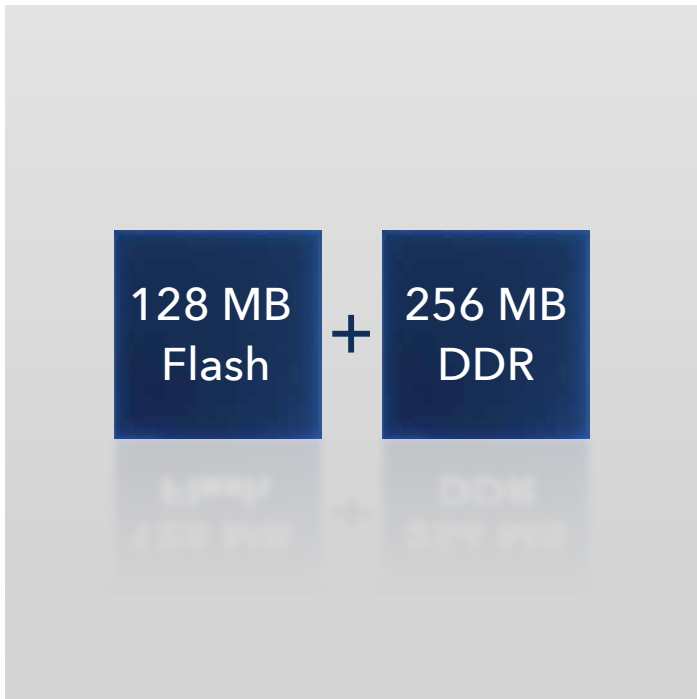


Hardware



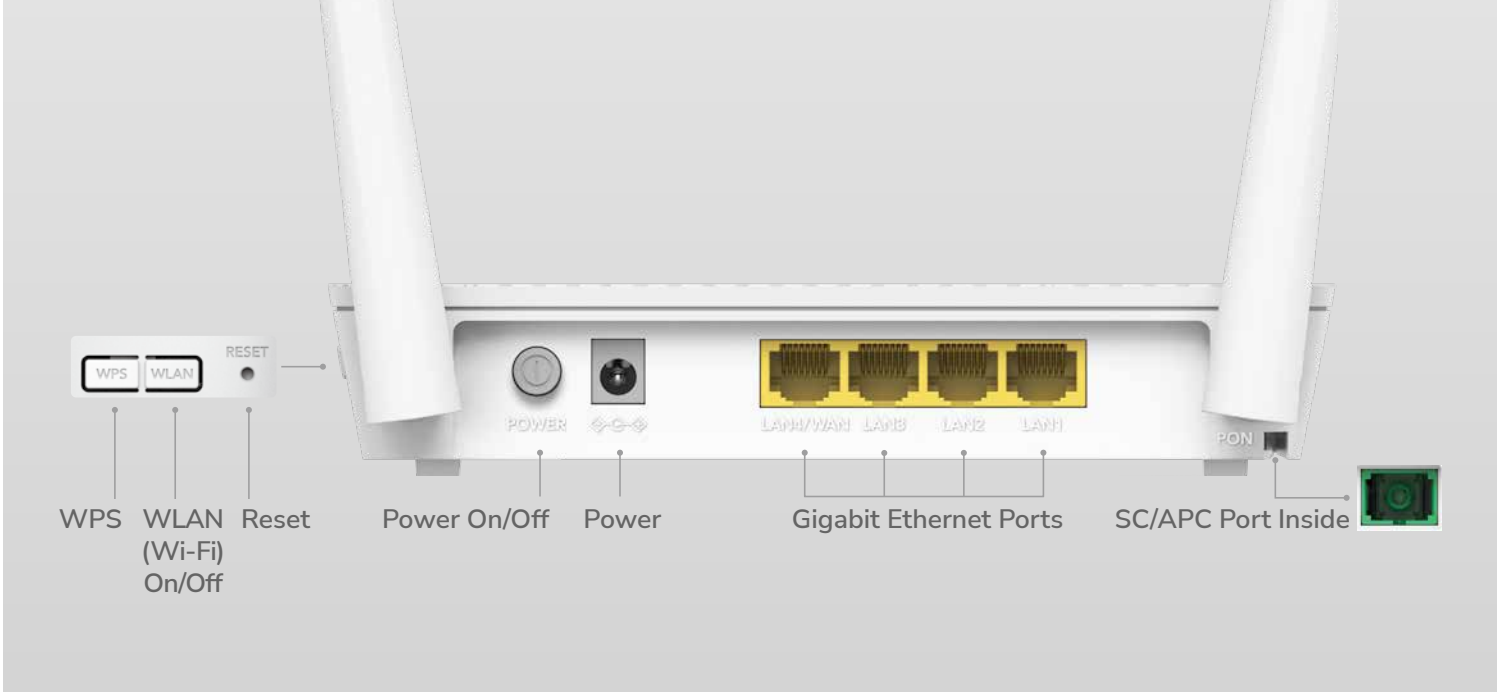
Powerful Dual-Core Processor

Keeps network fast and responsive with a 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.



Broad Wireless Coverage

Two high-gain antennas and beamforming technology boost the Wi-Fi signal automatically to the direction of the clients.

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 customers 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.



Highlights

An xPON Wi-Fi router featuring GPON/EPON dual modes, CWMP, OMCI, IPTV (IGMP Proxy/Bridge/Tag VLAN), and EasyMesh, suitable for FTTH solution deployment.

- Powerful Dual-Core CPU
- Max 2.5 Gbps GPON / 1.25 Gbps EPON
- 4-Stream Dual-Band Wi-Fi 5
- 867 Mbps + 300 Mbps Wi-Fi
- 1× SC/APC Slot
- 4× Gigabit Ethernet Ports
- TR069/TR098/TR111/TR143/TR181
- EasyMesh

Package Content

- GP1200 2.0
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Specs

CPU	CPU Details	800 MHz Dual-Core ARM-Based CPU
Memory	Flash/ROM	128 MB (1 Gbit) NAND
/Storage	DDR/RAM	256 MB (2 Gbit) DDR3
XPON	Protocols	GPON (ITU G. 984 standard Class B+) EPON (802.3ah)
	Speed	GPON: 2.488 Gbps Downstream / 1.244 Gbps Upstream,EPON: 1.25 Gbps Downstream / Upstream
	Wavelength	TX: 1310 nm RX: 1490 nm
	Max Transmission Distance	20 km
Wireless	5 GHz Wi-Fi Speed	867 Mbps
	2.4 GHz Wi-Fi Speed	300 Mbps
	5 GHz Wi-Fi Streams	2 Spatial Streams
	2.4 GHz Wi-Fi Streams	2 Spatial Streams
	Wi-Fi Antennas	2× Fixed
	FEM or PA/LNA	5 GHz: 2× External 2.4 GHz: 2× Internal
	Beamforming	✓
	Range Performance	Max: 170 m (558 ft) Tested in open-space environments with minimal interference. Actual WiFi range may vary depending on layout and wall materials. Refer to the Wall Performance specifications for placement suggestions.



Hardware Specs

Wireless	Wall Performance	Two wooden walls with thickness < 10 cm (4")
	Wall Performance	One concrete wall with thickness < 20 cm (7")
Interfaces	Fiber Ports	1× SC/APC
	Gigabit RJ45 Ports	4
	Ethernet Notes	1× LAN/WAN port, the rest are LAN ports.
	FXS Ports	Optional for ISP Order
	USB-A 2.0 Ports	Optional for ISP Order
	LED	Power
		PON
		LOS
		Internet
		2.4 GHz Wi-Fi
		5 GHz Wi-Fi
		WPS
		LAN
	Physical Buttons	Power On/Off Button
		Reset Button
		WPS Button
		Wi-Fi On/Off Button
	Power Interfaces	DC Jack
Power	Power Methods	DC
	Power Input	12V≐1A
	Power Adapter Note	Input: 100-240V~, 50/60Hz
		Output: 12V≐1A

Reliability	Environment	Operating Temperature:
		0 ℃ ~ 40 ℃ (32 °F ~104 °F)
		Storage Temperature:
		-40 ℃ ~ 70 ℃ (-40 °F ~ 158 °F)
		Humidity:
		10% ~ 90% non-condensing
		Storage Humidity:
		5% ~ 95% non-condensing
Certifications	FCC, CE	
Mechanical	Installation	Desktop
		Wall-mount
	Dimension	Main Part:
		173×123.8×33 mm
		6.81×4.87×1.3 inches
		Antenna:
		171 mm
		6.73 inches
Ordering Information	Retail Package Dimension	214×189×40 mm
		8.43×7.44×1.57 inches
Mechanical	Casing Material	Plastic
Ordering Information	Units per Carton	30
	Carton Dimension	58.9×41.9×23.5 cm
		23.19×16.5×9.25 inches



Software Specs

Wireless	Wi-Fi Standards	Wi-Fi 5
	Max Wi-Fi Modulation	256-QAM
	Wi-Fi Efficiency	MU-MIMO
	Wi-Fi Efficiency Note	MU-MIMO available on 5 GHz
	Max Capacity	128
	Recommended Client Upper Limit	50
	Max Wi-Fi Channel Width	80 MHz
	Wi-Fi Security	WPA/WPA2
	Guest Network	2.4 GHz, 5 GHz
	WPS	True
General	Operation Modes	xPON Wi-Fi Router
	Mesh	EasyMesh R5
	Mesh Backhaul	Wireless Backhaul
		Wired Backhaul
	WAN Mode	DHCP
		Static IP
		PPPOE
		Bridge
Network	QoS	4 Queues
		802.1p Classification
		DSCP
		Traffic Shaping
		By MAC

Network	QoS	By IP
		By Port
		DHCP
		Address Reservation
		DHCP Client List
		Server
		IP Versions
		IPv4/IPv6
		IPv6 Protocols
		Relay
	Multicast	Dynamic (SLAAC/DHCPv6)
		Static (Fixed IP)
		Passthrough
		464XLAT
		MAP-E
		DS-Lite
		True
		Bridge
		Tag VLAN
		VoIP VLAN
	IPTV/VLAN	IPTV VLAN
		TTL Customization
		Extend
		Spoof
	IGMP	Custom
		IGMP Proxy
		IGMP Snooping



Software Specs

Network	Forwarding	Port Forwarding
		Port Triggering
		UPnP
		DMZ
	Firewall	SPI Firewall
		DoS Protection
		Block PING
	Application Layer Gateway	IPSec Passthrough
		L2TP Passthrough
		PPTP Passthrough
		FTP Passthrough
		TFTP Passthrough
		H323 Passthrough
		SIP Passthrough
		RTSP Passthrough
Utilities	DNS Options	DNS over TLS
		Manual DNS
		Rebind Protection
		Override Clients' DNS
	DNS over TLS Providers	Cloudflare
		Google
		Quad9
		Custom

Utilities	Wake on LAN	True
	Online Detection	True
Management	Parental Controls	Profiles Settings
		Offline Time
		Online Time
		Pause the Internet
		Web Filter
	All Devices Management	Wi-Fi Time Schedule
		MAC Filter
		IP/MAC Binding
	Per-Devices Management	Internet On/Off
		Online Time Schedule
		Device Rename
	Content Management	Domain Filter
		IP Filter
System	Local Control Method	Config Web Page
	Remote Control Method	Config Page via HTTPS
		TR069/TR098/TR111/TR143/TR181
		OMCI
		OAM
	Firmware Upgrade	Local Update
		Online Update
	Reliability	Timed Reboot
		Backup and Restore



Software Specs

System	Diagnostic Tools	Diagnosis	
		Ping	
		Traceroute	
		NSLookup	
		System Log	
	Languages	English	Bengali
		Catalan	Czech
		German	Greek
		Spanish	French
		Hebrew	Croatian
		Hungarian	Italian
		Japanese	Khmer
		Korean	Dutch
		Norwegian	Polish
		Portuguese	Romanian
		Russian	Slovak
		Swedish	Thai
		Turkish	Ukrainian
		Vietnamese	
		Simplified Chinese	
		Traditional Chinese	

Dashboard	Panel	Internet Status
		PON Status
		Mesh Status
		Devices Management
		WAN Status
		LAN Status
		Wi-Fi Status
		DHCP Server Status
		System Version
	Charts	Mesh Topology
		Internet Speed
		Wi-Fi Speed