





Model: GP1200

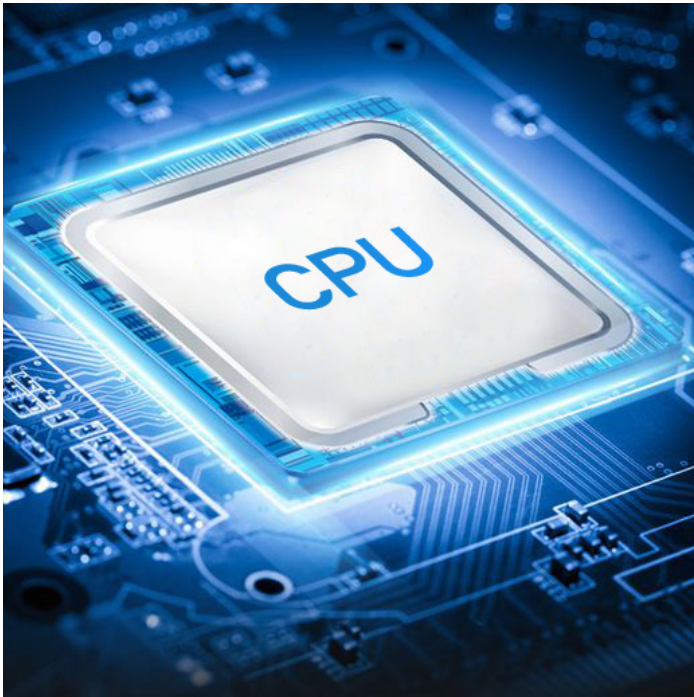
AC1200 Wireless Dual-Band Gigabit xPON Router

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

[Datasheet](#)

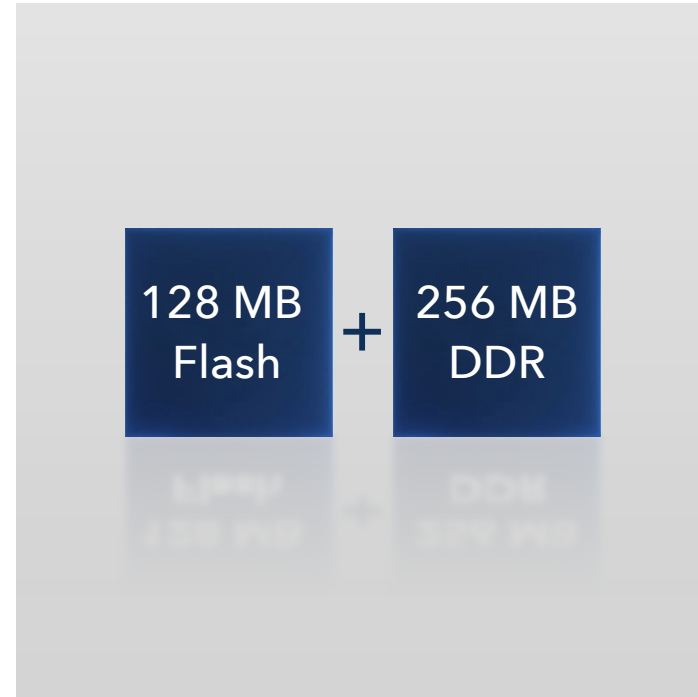


Hardware



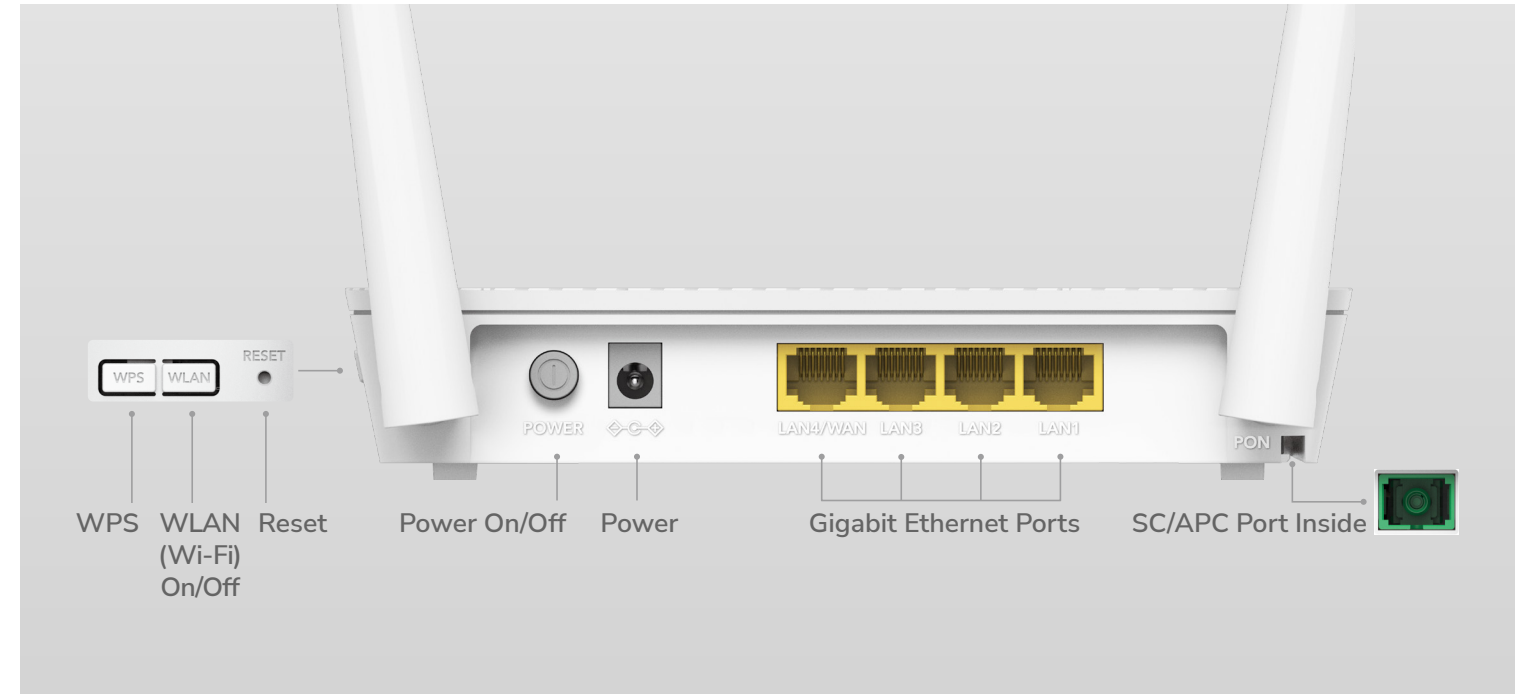
Powerful Dual-Core Processor

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 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.



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.

- 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
- 1x SC/APC Slot
- 4x 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	880 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	2x Fixed
	FEM or PA/LNA	5 GHz: 2x External 2.4 GHz: 2x 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 Methods	DC	
Power	Power Input	12V=1A	
	Power Adapter Note	Input: 100-240V~, 50/60Hz	
		Output: 12V=1A	

Reliability	Environment	Operating Temperature:
		0 °C ~ 40 °C (32 °F ~104 °F)
		Storage Temperature:
		-40 °C ~ 70 °C (-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
		Casing Material
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
			Dynamic (SLAAC/DHCPv6)
			Static (Fixed IP)
			Passthrough
			464XLAT
			MAP-E
		Multicast	DS-Lite
			True
			Bridge
		IPTV/VLAN	Tag VLAN
			VoIP VLAN
			IPTV VLAN
TTL Customization	Extend		
IGMP	Spoof		
	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
	All Devices Management	Pause the Internet
		Web Filter
		Wi-Fi Time Schedule
		MAC Filter
	Per-Devices Management	IP/MAC Binding
		Internet On/Off
		Online Time Schedule
Content Management	Device Rename	
	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