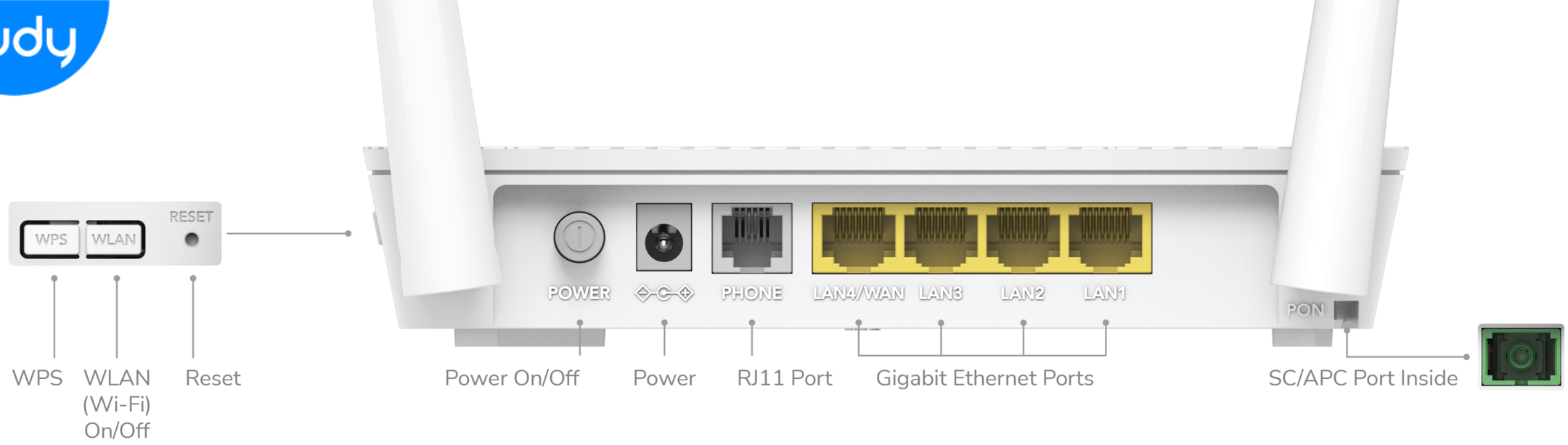
Model: GP1200V 2.0

AC1200 xPON VoIP Wi-Fi Router



Datasheet



Powerful Dual-Core Processor

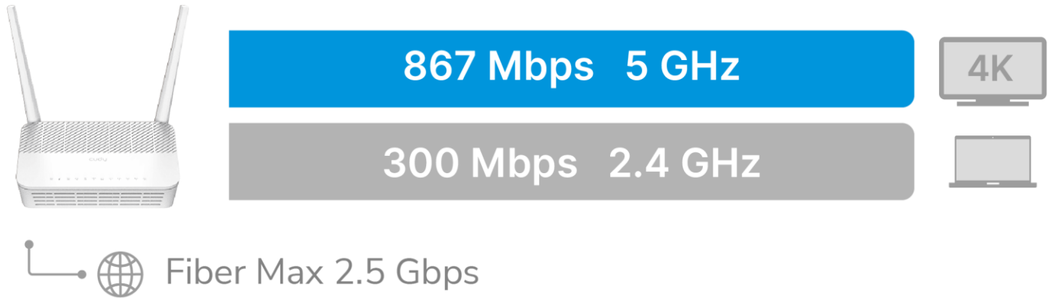
Keeps network fast and responsive with a dual-core CPU, improving online experience.

VoIP Crystal-Clear Calling

Enjoy simultaneous calling and data streaming. Connect a telephone to the RJ11 port to enjoy HD calling via the Internet.

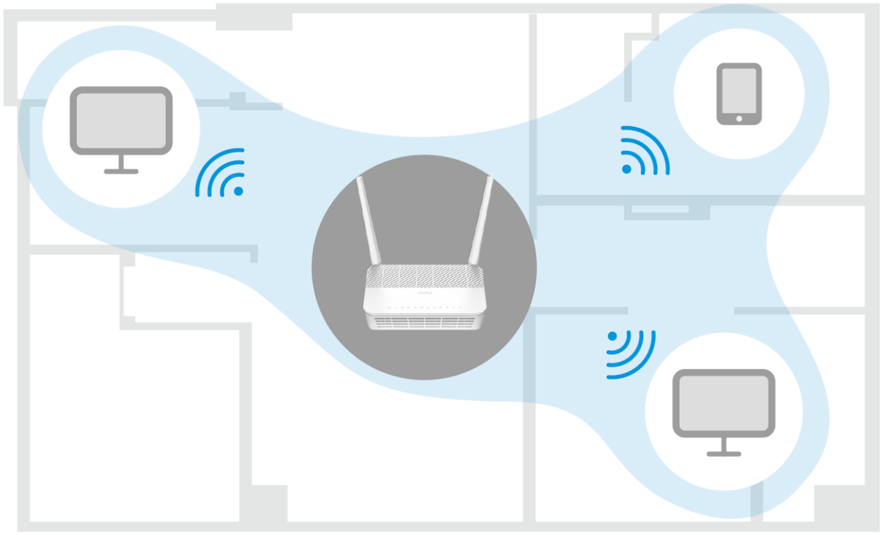
More Features, More Capacity

Large flash boasts more features for network customization. High RAM allows connecting more devices at the same time without slowing down.



Direction Detected, Signal Boosted

Beamforming detects the direction of connected devices and forms a focused signal towards them to improve coverage performance. Supports adding EasyMesh units to enable whole-home seamless roaming.



Highlights

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

- 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
- 4× GbE and 1× FXS RJ11
- TR069/TR369
- EasyMesh

Actual wireless data throughput will vary as a result of network conditions, client limitations, and environmental factors including building layout, obstacles, and client location.

Package Content

- GP1200V
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Specs

Model Version	GP1200V 2.0	
CPU	CPU Details	800 MHz Dual-Core ARM-Based CPU
Memory/Storage	Flash/ROM	128 MB (1 Gbit) NAND
	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

Wireless	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	True
	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.
	Wall Performance	Two wooden walls with thickness < 10 cm (4") One concrete wall with thickness < 20 cm (7")
Interfaces	Fiber Ports	1× SC/APC
	Gigabit RJ45 Ports	4

Hardware Specs

Interfaces	Ethernet Notes	1× LAN/WAN port, the rest are LAN ports.
	FXS Ports	1× RJ11
	USB-A 2.0 Ports	Optional for ISP Order
Buttons and LEDs	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	Power Input Type	DC Jack
	Power Methods	DC
	Power Input	12V⎓1A
	Power Adapter In the Box	Input: 100-240V~, 50/60Hz Output: 12V⎓1A

Reliability	Environment	Operating Temperature: 0 ℃ ~ 40 ℃ (32 ℉ ~104 ℉) Storage Temperature: -40 ℃ ~ 70 ℃ (-40 ℉ ~ 158 ℉) Humidity: 10% ~ 90% non-condensing Storage Humidity: 5% ~ 95% non-condensing
Certifications	FCC, CE	
Mechanical	Casing Material	Plastic
	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
Package Content	• GP1200V • Power Adapter • Ethernet Cable • Installation Guide	

Hardware Specs

Ordering Information	Retail Package Dimension	240×184×39 mm 9.45×7.24×1.54 inches
	Units per Carton	30
	Carton Dimension	57.8×42.6×25.6 cm 22.76×16.77×10.08 inches

Software Specs

Model Version	GP1200V 2.0	
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
	Wi-Fi Channel Width	Auto/20/40/80 MHz
	Wi-Fi Security	WPA/WPA2/WPA3
	Guest Network	2.4 GHz, 5 GHz
	WPS	True
	Separate Client	True
General	Operation Modes	xPON Wi-Fi Router

Software Specs

General	EasyMesh Version	EasyMesh R5
	Mesh Backhaul	• Wireless Backhaul • Wired Backhaul
	WAN Mode	• DHCP • Static IP • PPPOE • Bridge
Network	QoS	Per-User Rate Limiting
	DHCP	• Address Reservation • DHCP Client List • Server
	IP Versions	IPv4/IPv6
	IPv6 Protocols	• Relay • Dynamic (SLAAC/DHCPv6) • Static (Fixed IP) • Passthrough • 464XLAT • MAP-E • DS-Lite
	Multicast	True

Network	IPTV/VLAN	• Bridge • Tag VLAN • VoIP VLAN • IPTV VLAN
	TTL Customization	• Extend • Spoof • Custom
	IGMP	• IGMP Proxy • IGMP Snooping
	Forwarding	• Port Forwarding • Port Triggering • UPnP • DMZ
	Firewall	• SPI Firewall • DoS Protection • Block PING

Software Specs

Network	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
	Wake on LAN	True
Management	Parental Controls	• Profiles Settings • Offline Time • Online Time • Pause the Internet • Web Filter

Management	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 Filtering • IP Filtering
System	Local Control Method	Config Web Page
	Remote Control Method	• Config Page via HTTPS • TR069/TR098/TR111/TR143/TR181/TR369 • 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

System	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

Software Specs

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