



Model: GP3000

AX3000 Gigabit Dual-Band Wi-Fi 6 xPON Router



Dual-Core
ARM Based CPU



Super-Fast
AX3000 Wi-Fi 6



GPON/EPON
Dual Modes

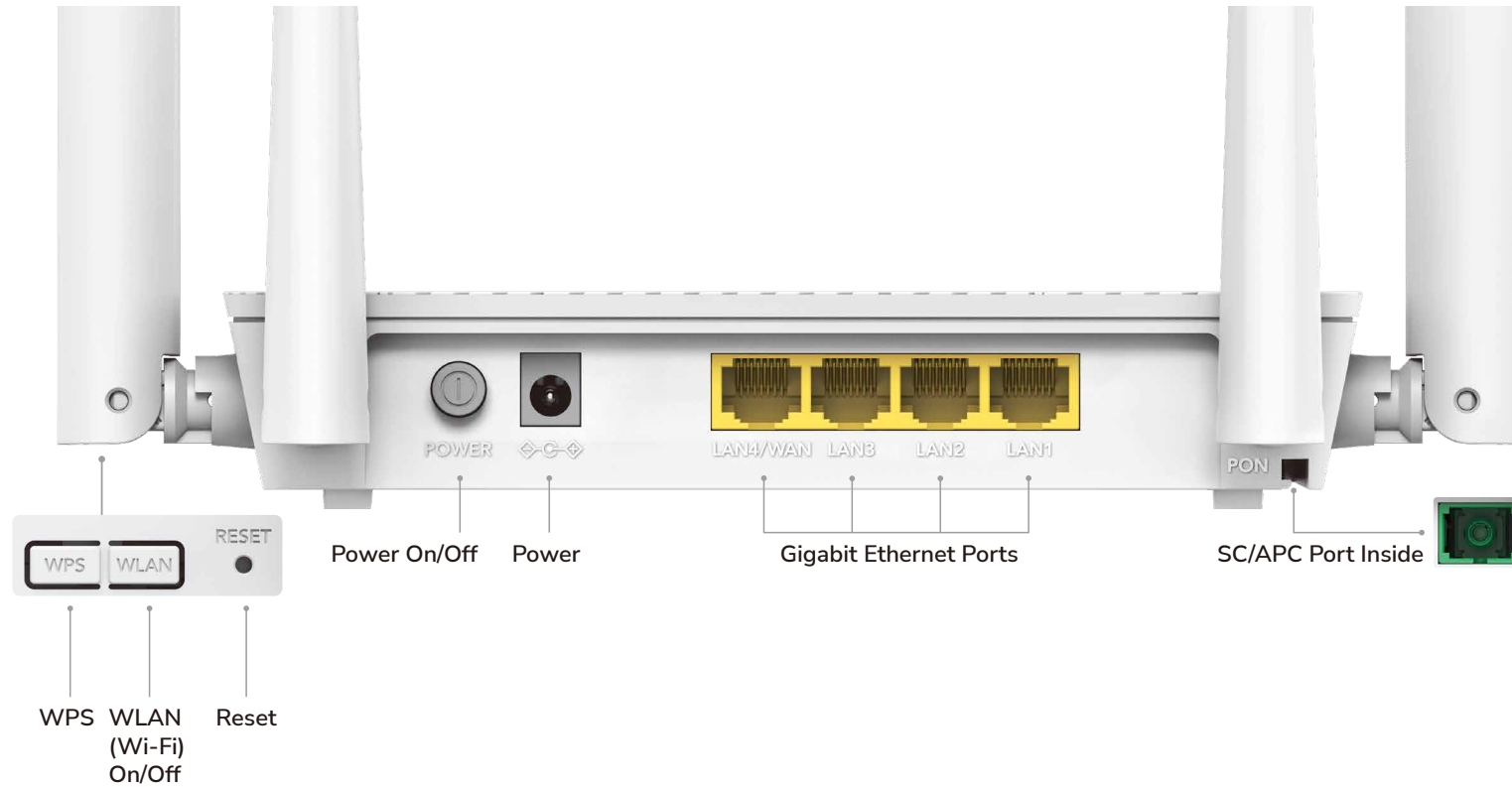


EasyMesh
Seamless Roaming



[Datasheet](#)





Lower Latency for More Devices with OFDMA

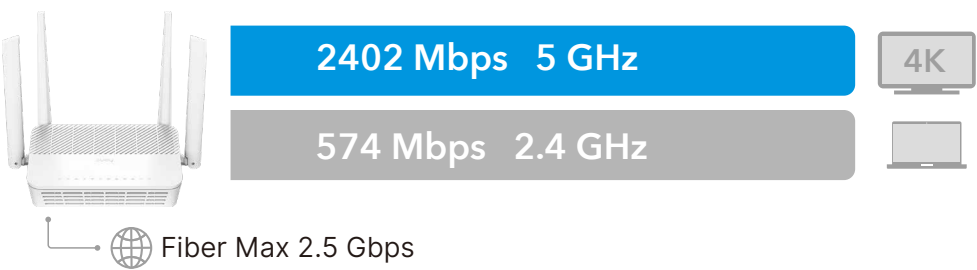
Wi-Fi 6 features MU-MIMO and OFDMA to transmit more data for multiple devices at the same time, reducing latency.

IPv4 & IPv6

Supports IPv4 and the more secure and advanced IPv6 protocol, enabling ISP to scale up their network high-performance with the latest features in efficiency, and compatibility.

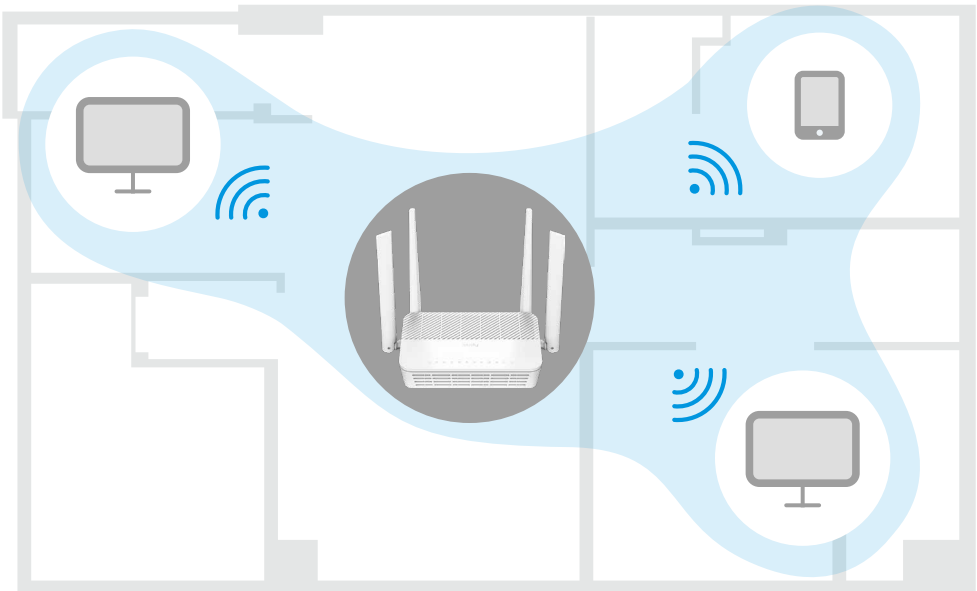
A Super-Fast xPON Wi-Fi 6 Router

Pair your Gigabit+ fiber subscription with xPON router with super-fast Wi-Fi. Enjoy instant file downloads, immersive gaming, and responsive video playback with the top-notch 160 MHz bandwidth.



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

- Max 2.48 Gbps GPON / 1.25 Gbps EPON
- 4-Stream Dual-Band Wi-Fi 6
- 2402 Mbps + 574 Mbps Wi-Fi ¹
- 1× SC/APC Slot
- 4× GbE
- TR069/TR098/TR111/TR143/TR181
- EasyMesh

1. 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

- GP3000
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Specs

CPU	Details	1.15 GHz Dual-Core ARM Based
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	2402 Mbps
	2.4 GHz Wi-Fi Speed	574 Mbps
	5 GHz Wi-Fi Streams	2T2R (2×2 MIMO)
	2.4 GHz Wi-Fi Streams	2T2R (2×2 MIMO)
	Wi-Fi Antennas	4× Fixed
	5 GHz Antenna Gain Max	5dBi
	2.4 GHz Antenna Gain Max	5dBi



Hardware Specs

Wireless	FEM or PA/LNA	5 GHz: 2× Internal
		2.4 GHz: 2× Internal
	Beamforming	True
	Range Performance	Max: 170 m (558 ft)
		Indoor WiFi range varies depending on the layout and wall materials. See Wall Performance spec for placement suggestions.
Interfaces	Wall Performance	Two wooden walls with thickness < 10 cm (4") One concrete wall with thickness < 20 cm (7")
	SC/APC Port	1× SC/APC Port
	Gigabit RJ45 Ports	1× Gigabit RJ45 LAN/WAN
		3× Gigabit RJ45 LAN
	USB Ports	Optional for ISP Orders
	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 Input	DC Jack
Power	Power Methods	DC
	DC	12V 1.5A
	Power Adapter	Input: 100 ~ 240 V, 50/60 Hz AC Output: 12V 1.5A DC
Reliability	Environment	Operating Temperature: 0 ~ 40 °C (32 ~104 °F)
		Storage Temperature: -40 ~ 70 °C (-40 ~ 158 °F)
		Humidity: 10% ~ 90% non-condensing
		Storage Humidity: 5% ~ 95% non-condensing
Certifications	FCC, CE	
Mechanical	Installation	Desktop
		Wall-mount
	Dimension	173×123.8×33 mm
		6.81×4.87×1.3 inches
Ordering Information	Retail Package Dimension	304×268×54 mm
		11.97×10.55×2.13 inches
	Units per Carton	20
	Carton Dimension	55.6×55.5×32.5 cm
		21.89×21.85×12.8 inches



Software Specs

Wireless	Wi-Fi Standards	Wi-Fi 6
	Max Wi-Fi Modulation	1024-QAM
	Wi-Fi Efficiency	OFDMA, MU-MIMO, BSS Color
	Max Capacity	128
	Recommended Client Upper Limit	70
	Max Wi-Fi Channel Width	160 MHz
	Wi-Fi Security	WPA/WPA2/WPA3
	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
Network	WAN Mode	DHCP, Static IP, PPPOE, PPTP, L2TP
	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
	IPTV/VLAN	Bridge, Tag/VoIP/IPTV VLAN

Network	TTL Customization	Extend
		Spoof
		Custom
	IGMP	IGMP Proxy
		IGMP Snooping
	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



Software Specs

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	Online Detection	True
	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	Intenent On/Off
		Online Time Schedule
		Device Rename
	Content Management	Domain Filter
		IP Filter

System	Local Control Method	Config Web Page
	Remote Control	Config Page via HTTPS
	Method	TR069/TR098/TR111/TR181
		Local Update
	Firmware Upgrade	Online Update
		Timed Reboot
		Backup and Restore
	Reliability	Diagnosis
		Ping
	Diagnostic Tools	Traceroute
		NSLookup
		System Log
	Languages	• English • Bengali • Catalan • Czech
		• German • Greek • Spanish • French
		• Hebrew • Italian • Croatian • Hungarian
		• Khmer • Korean • Dutch • Japanese
		• Russian • Slovak • Swedish • Romanian
		• Turkish • Vietnamese • Thai • Ukrainian
		• Polish • Norwegian • Portuguese
		• Simplified Chinese • Traditional Chinese

Software Specs

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