



Model: GP3600

BE3600 Gigabit Dual-Band Wi-Fi 7 xPON Router



Dual-Core
ARM Based CPU



Super-Fast
BE3600 Wi-Fi 7



GPON/EPON
Dual Modes

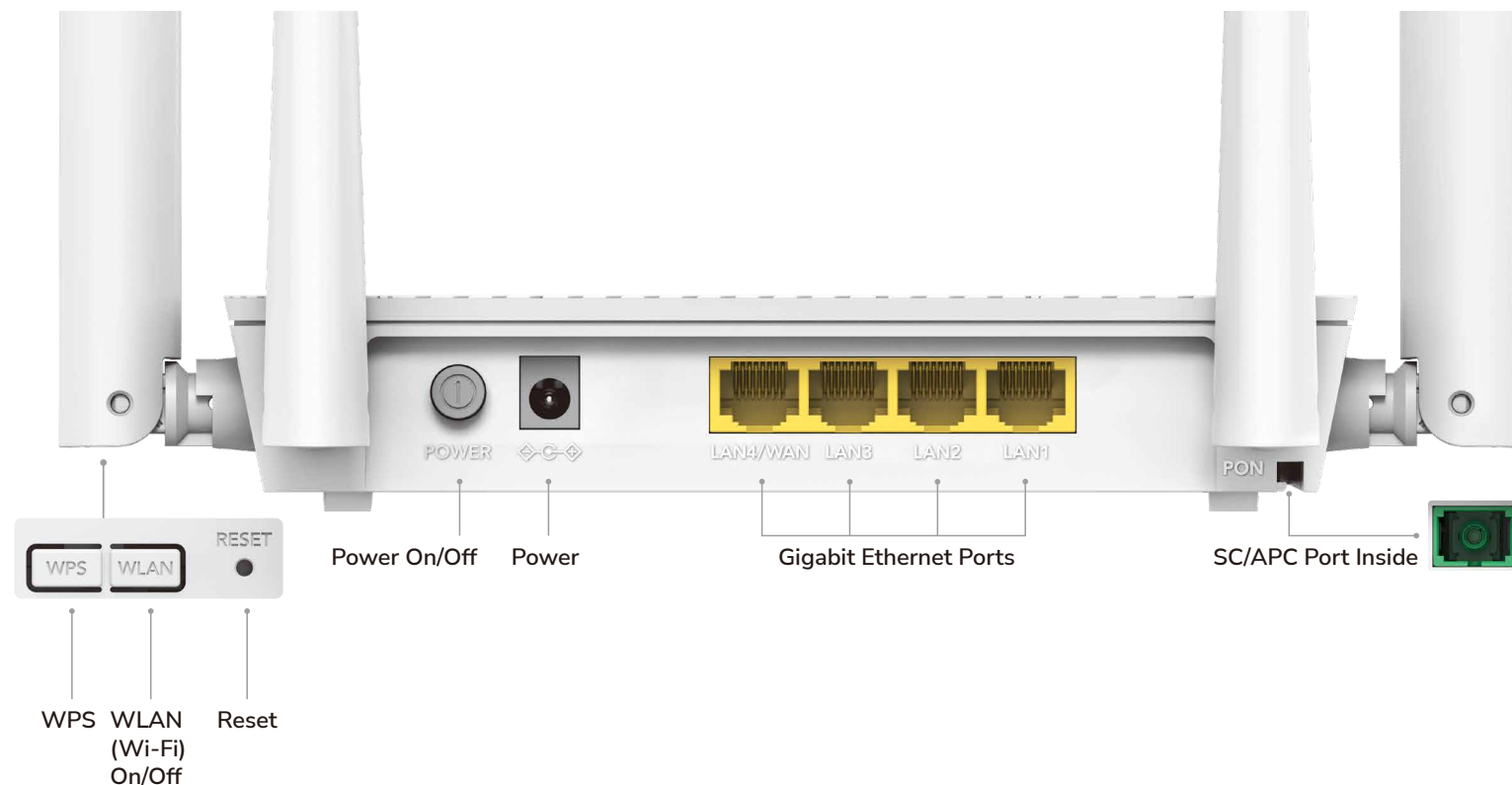


EasyMesh
Seamless Roaming



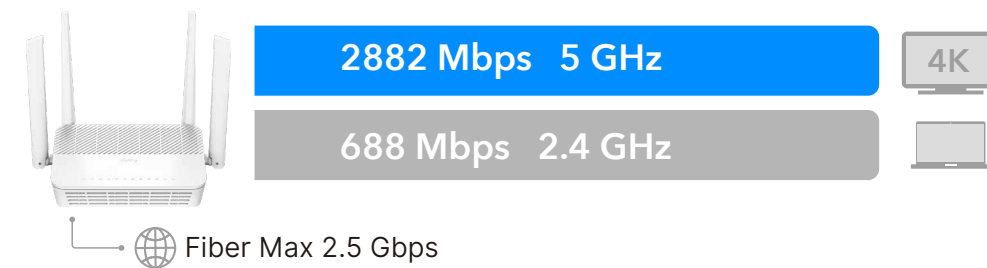
[Datasheet](#)





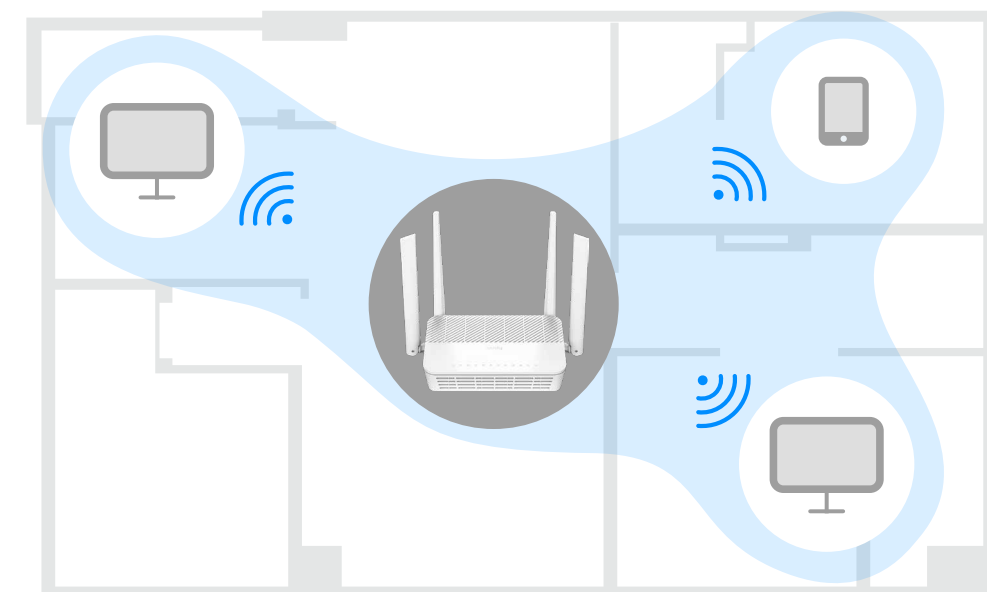
A Super-Fast xPON Wi-Fi 7 Router

Pair your Gigabit+ fiber subscription with xPON router with super-fast Wi-Fi. Enjoy instant file downloads, immersive gaming, and responsive video playback with next-gen super-fast Wi-Fi 7.



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.



IPTV

Enable additional IPTV services in high efficiency via IGMP Proxy/ Bridge/Tag VLAN support.

OMCI/OAM

OMCI/OAM streamline the management and reduces procedures in the first-time installation and future maintenance.



Highlights

An xPON Wi-Fi 7 router featuring GPON/EPON dual modes, CWMP, OMCI, IPTV (IGMP Proxy/Bridge/Tag VLAN), and EasyMesh, suitable for FTTH solution deployment.

- Max 2.5 Gbps GPON / 1.25 Gbps EPON
- 4-Stream Dual-Band Wi-Fi 7
- 2882 Mbps + 688 Mbps Wi-Fi
- 1× SC/APC Slot
- 4× Gigabit Ethernet Ports
- TR069/TR098/TR111/TR143/TR181
- EasyMesh

Package Content

- GP3600
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Specs

CPU	CPU Details	1.2 GHz Dual-Core ARM 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
	5 GHz Wi-Fi Speed	2882 Mbps
	2.4 GHz Wi-Fi Speed	688 Mbps
Wireless	5 GHz Wi-Fi Streams	2 Spatial Streams
	2.4 GHz Wi-Fi Streams	2 Spatial Streams
	Wi-Fi Antennas	4× 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 wit 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")



Hardware Specs

Interfaces	Fiber Ports	1× SC/APC
	Gigabit RJ45 Ports	4
	Ethernet Notes	1× LAN/WAN port, the rest are LAN ports.
	USB-A 3.0 Ports	Optional for ISP Order
	Max USB Power Output	5V≡1.5A (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	Power Input Type	DC Jack
	Power Methods	DC
	Power Input	12V≡1.5A
	Power Adapter In the Box	Input: 100-240V~, 50/60Hz
		Output: 12V≡1.5A

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	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	EU/US:
		244×233×46 mm
		9.61×9.17×1.81 inches
	Units per Carton	EU/US: 20
	Carton Dimension	EU/US: 50×49.5×26.5 cm
		19.69×19.49×10.43 inches



Software Specs

Wireless	Wi-Fi Standards	Wi-Fi 7
	Max Wi-Fi Modulation	4K-QAM
	Wi-Fi Efficiency	MLO, MRU, Puncturing
		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	√
General	Operation Modes	xPON Wi-Fi Router
	Mesh	EasyMesh R5
	Mesh Backhaul	Wireless Backhaul
		Wired Backhaul
	WAN Mode	DHCP, Static IP, PPPOE, Bridge
	WAN Type	Internet, Voice, TR069, Other
Network	QoS	802.1p Classification
		DSCP

Network	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	√
	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



Software Specs

Network	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
	Wake on LAN	√
	Online Detection	√

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,
Dashboard	Panel	Slovak, Swedish, Thai, Turkish, Ukrainian,
		Vietnamese, Simplified Chinese,
		Traditional Chinese
		Internet Status
		PON Status
		Mesh Status
		Devices Management
		WAN Status
	Charts	LAN Status
		Wi-Fi Status
		DHCP Server Status
		System Version
	Charts	Mesh Topology
		Internet Speed
		Wi-Fi Speed