Model: GP3600T 1.0

BE3600 Gigabit Dual-Band Wi-Fi 7 xPON Router



Datasheet

Highlights

An xPON Wi-Fi 7 router featuring GPON/EPON dual modes, four GbE, 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
- 4× Gigabit Ethernet Ports
- 1× SC/APC Slot
- 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

- GP3600T
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Specs

Model Version	GP3600T 1.0	
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
Wireless	MLO Speeds	3570 Mbps
	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	True
	Range Performance	Max: 200 m (656 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") or two concrete walls with thickness < 10 cm (4")

Hardware Specs

Interfaces	Fiber Ports	1× SC/APC
	Gigabit RJ45 Ports	4
	Ethernet Notes	1× LAN/WAN port, the others are LAN ports.
	FXS Ports	Optional for ISP Order
	USB-A 3.0 Ports	Optional for ISP Order
	Max USB Power Output	5V⎓1.5A (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⎓1.5A

Power	Power Adapter In the Box	Input: 100-240V~, 50/60Hz Output: 12V⎓1.5A
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	Installation	• Desktop • Wall-mount
	Dimension	190×50×146.4 mm 7.48×1.97×5.76 inches
Package Content	• GP3600T • Power Adapter • Ethernet Cable • Installation Guide	

Software Specs

Model Version	GP3600T 1.0	
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
	Wi-Fi Channel Width	Auto/20/40/80/160 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
	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

Software Specs

Network	Multicast	True
	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

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
	Online Detection	True
Management	Parental Controls	• Profiles Settings • Offline Time • Online Time • Pause the Internet • Web Filter

Software Specs

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
System	Diagnostic Tools	• Diagnosis • Ping • Traceroute • System Log

Software Specs

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

Dashboard	Panel	• Internet 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