



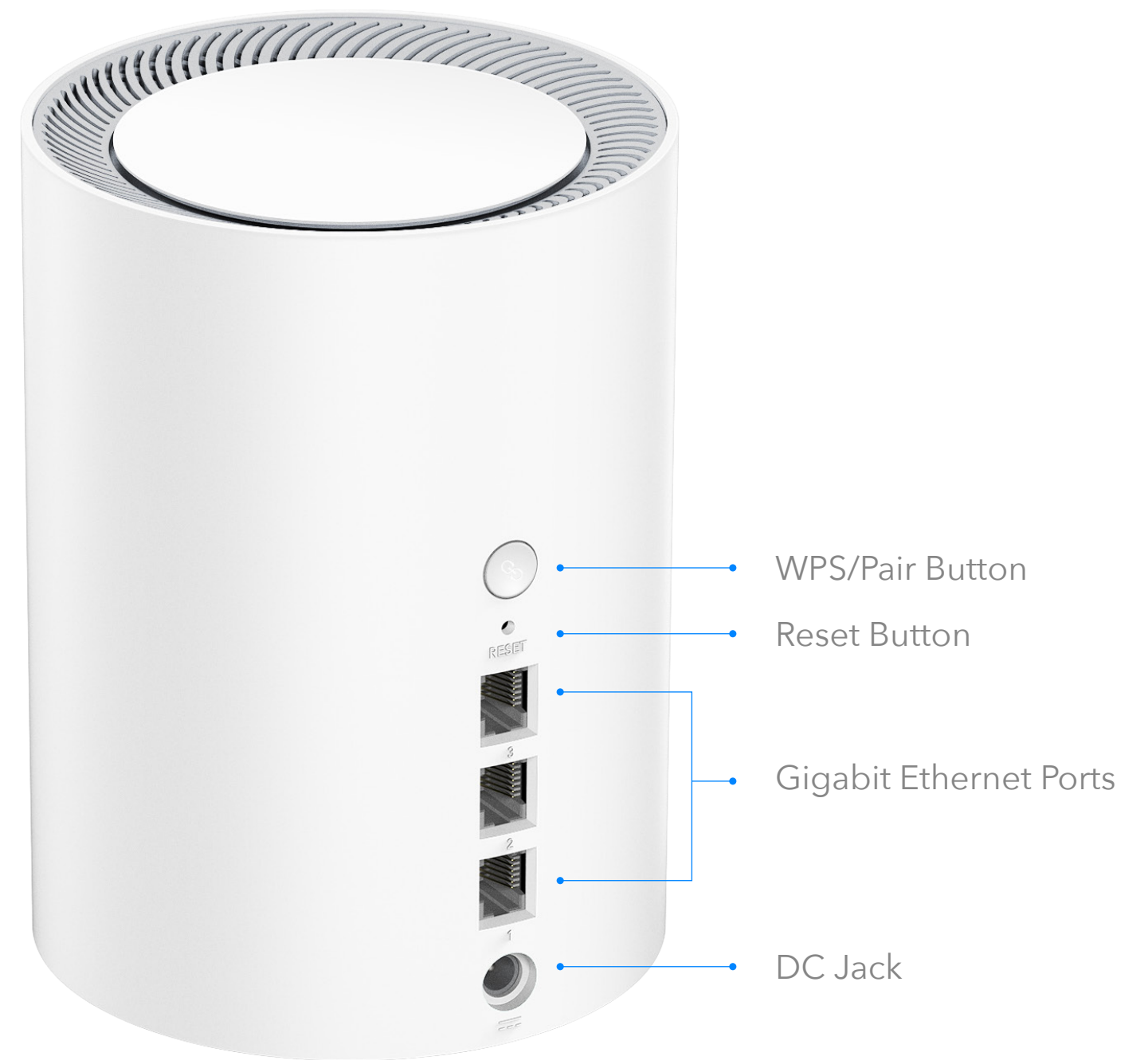
Model: M3600

BE3600

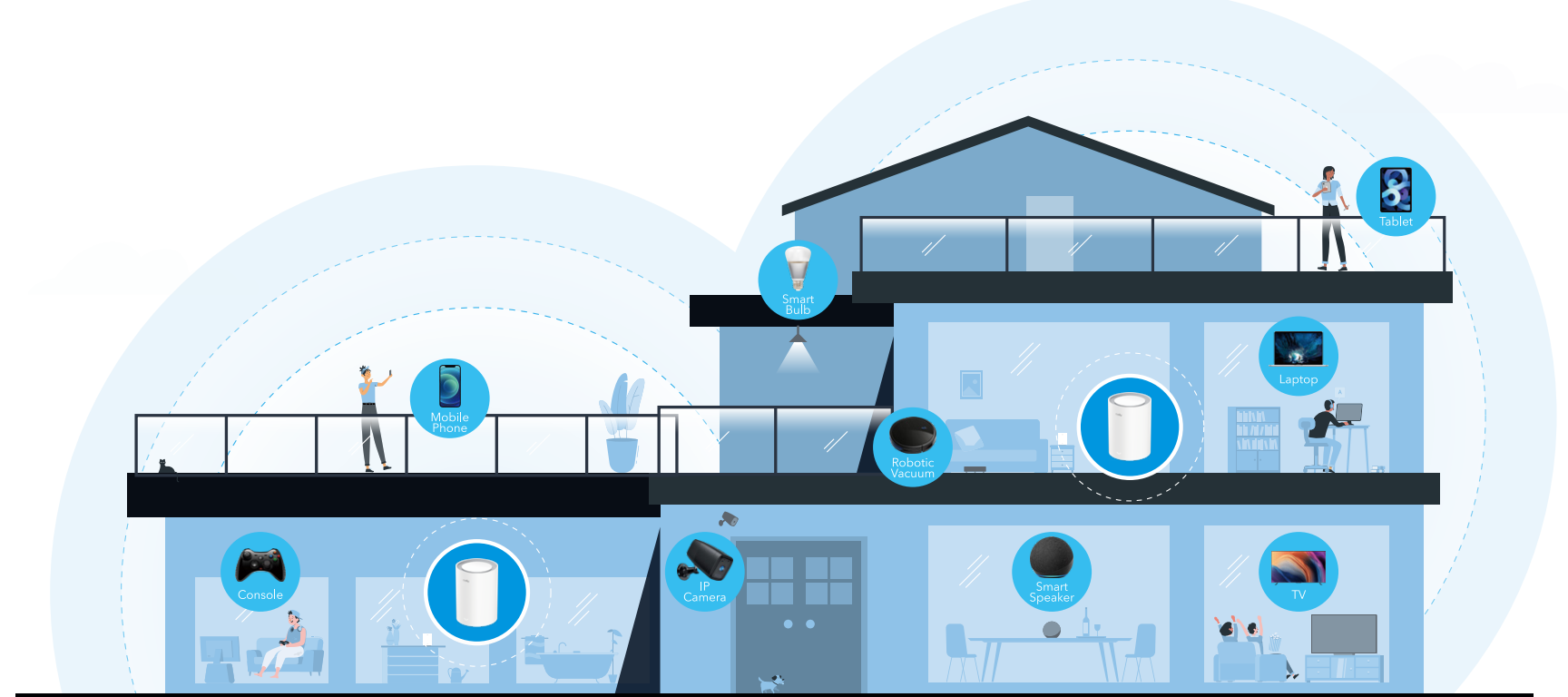
Gigabit Mesh Wi-Fi 7 System



[Datasheet](#)



Super-Wide, Extra-Fast Wi-Fi 7 for Large Houses



Powerful Wi-Fi 7 Chip for Responsive Network

The next-gen Wi-Fi 7 Broadcom CPU with fabulous efficiency processes more tasks instantly, keeping network super-capable and responsive.

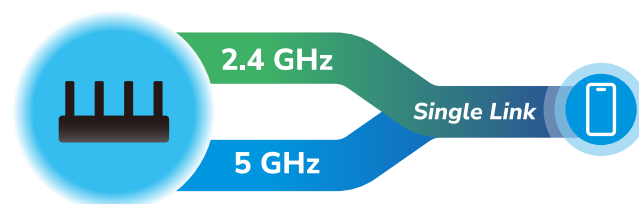
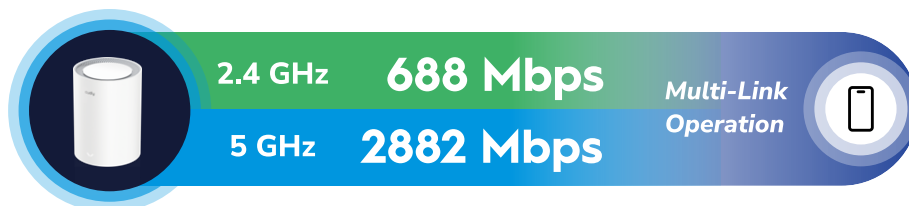
• 2.0 GHz Quad-Core

• ARM® Cortex-A7



Aggregated Speed. Blazing-Fast Wi-Fi.

MLO technology connects clients through multiple bands, and the 4K-QAM boosts speed by another 25%, delivering a total of 1.5X faster speed for smoother experience in larger homes.



↑
1.5X
Faster

Immersive Gaming with Lower Latency

Mesh system generates one unified Wi-Fi, seamlessly connecting your devices to the best available Wi-Fi node as you move around, providing a superior alternative to the traditional Wi-Fi router and repeater setup.

Versatile Management



Parental Control

Set up profiles with corresponding policies to establish a safer network for your loved ones.



IPTV

Includes Tag VLAN to support assigning IPTV/VoIP ports. IGMP snooping improves IPTV network efficiency.



Cudy APP Control

Manage your network right on your phone. This device supports cloud remote management.



VPN Client and Server

Connect and share a VPN or establish your own server to secure remote access.



IPv6

Support the IPv6 services by your ISP and browse the IPv6 websites with faster performance.



QoS

Set speed limits for certain clients to prioritize your gaming rigs and other important devices.



Highlights

A dual-band WiFi 7 router with an aggregate of 3.6 Gbps speed and three Gigabit ports, catering to large home with Gigabit Internet access.

- 4-Stream Dual-Band Wi-Fi 7
- 2882 Mbps + 688 Mbps Wi-Fi
- 3× Gigabit Ethernet Ports
- 200 Connected Devices
- Cudy Mesh, VPN Server and Client
- Cudy App, Cloud Control

Package Content

- M3600
- Power Adapter
- Ethernet Cable
- Installation Guide

Variants

- 1-Pack
- 2-Pack
- 3-Pack

Hardware Specs

CPU	Chipset	BCM6764
	CPU Details	2.0 GHz Quad-Core, ARM Cortex-A7
Memory /Storage	Flash/ROM	128 MB (1 Gbit) NAND
	DDR/RAM	512 MB (4 Gbit) DDR3L
Interfaces	Gigabit RJ45 Ports	3
	Ethernet Notes	1x WAN port, the rest are LAN ports
	LED	System
		Speed/Link/ACT of Ethernet Port
	Physical Buttons	WPS Button
		Reset Button
Power	Power Input	DC Jack
	Power Methods	DC
	DC	12V 1A
		Input: 100~240 V, 50/60 Hz AC
	Power Adapter	Output: 12V 1A DC
Reliability	Max Power Consumption (W)	9W
	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	



Hardware Specs

Wireless	5 GHz Wi-Fi Speed	2880 Mbps
	2.4 GHz Wi-Fi Speed	688 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	5.5dBi
	2.4 GHz Antenna Gain Max	5.4dBi
	FEM or PA/LNA	5 GHz: 2× External
		2.4 GHz: 2× Internal
	Beamforming	True
	Range Performance	Max: 220 m (722 ft)
		Indoor WiFi range varies depending on the layout and wall materials. See Wall Performance spec 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")
	Multi-Pack Indoor Coverage	2 Pack: 200 m² (2150 sq ft)
		3 Pack: 270 m² (2900 sq ft)
		Applied to wireless backhaul situation. Place in the center of each floor, with a maximum of three obstacles to each room.

Mechanical	Installation	Desktop
	Dimension	Φ110×154.5 mm Φ4.33×6.08 inches
Ordering Information	Retail Package Dimension	• 1-Pack: 145×130×265 mm 5.71×5.12×10.43 inches
		• 2-Pack: 330×130×265 mm 12.99×5.12×10.43 inches
		• 3-Pack: 380×130×265 mm 14.96×5.12×10.43 inches
	Units per Carton	1-Pack:16
		2-Pack: 8
		3-Pack: 4
	Carton Dimension	• 1-Pack: 57×56×26 cm 22.44×22.05×10.24 inches
		• 2-Pack:55×54.5×35.3 cm 21.65×21.46×13.9 inches
		• 3-Pack: 53.6×40×28.7 cm 21.1×15.75×11.3 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	512
	Recommended Client UpperLimit	200
	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	Wi-Fi Router
		Access Point
		Range Extender
		WISP
		Client
	Mesh	Cudy Mesh
	Mesh Backhaul	Wireless Backhaul
		Wired Backhaul

General	Multi-Band Backhaul	true
	WAN Mode	DHCP
		Static IP
		PPPOE
		PPTP
Network	Internet Failover Sequence	L2TP
		WAN
		WISP
	QoS	Per-User Rate Limiting
	DHCP	Address Reservation
		DHCP Client List
		Server
	IP Versions	IPv4/IPv6
	IPv6 Protocols	Relay
		Dynamic(SLAAC/DHCPv6)
		Staic (Fixed IP)
		Passthrough
		464XLAT
		MAP-E
		DS-Lite
	IPTV/VLAN	Bridge
		Tag VLAN



Software Specs

Network	IPTV/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
Application Layer Gateway		IPSec Passthrough
		L2TP Passthrough
		PPTP Passthrough
		FTP Passthrough
		TFTP Passthrough
		H323 Passthrough
		SIP Passthrough
		RTSP Passthrough

Utilities	VPN Server	WireGuard
		OpenVPN
		IPsec
		Zerotier
		PPTP
		L2TP
	VPN Client	WireGuard
		OpenVPN
		IPsec
		Zerotier
		PPTP
		L2TP
	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



Software Specs

Management	All Devices Management	Wi-Fi Time Schedule
		MAC Filter
		IP/MAC Binding
	Per-Devices Management	Intenent On/Off
		VPN On/Off
		Online Time Schedule
		Device Rename
	Content Management	Domain Filter
		IP Filter
System	LED Control	Ture
	Local Control Method	Config Web Page
		App Control
	Remote Control Method	Config Page via HTTPS
		App Control
		TR069/TR098/TR111/TR181
	Firmware Upgrade	Local Update
		App (Over the Air)
		Online Update
	Reliability	Timed Reboot
		Backup and Restore
	Diagnostic Tools	Diagnosis
		Ping

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