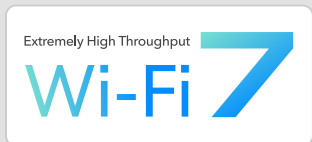




Model: WR3600H

BE3600

2.5G Mesh Wi-Fi 7 Router



Easy Setup with Cudy App

[Datasheet](#)

Highlights

A dual-band WiFi 7 router with an aggregate of 3.6 Gbps speed, one 2.5G WAN, and four Gigabit LAN, catering to multi-Gig internet access, gaming, and entertainment scenarios.

- 4-Stream Dual-Band Wi-Fi 7
- 2880 Mbps + 688 Mbps Wi-Fi
- 1× 2.5GbE and 4× GbE
- Covers 120 m² (1,300 ft²)
- WireGuard, OpenVPN, ZeroTier, etc
- Cudy App, Cloud Control

Package Content

- WR3600H
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Features

CPU	Chipset	BCM6764
	CPU Details	2.0 GHz Quad-Core, ARM Cortex-A7
Memory /Storage	Flash/ROM	128 MB (1 Gbit) NAND
	DDR/RAM	256 MB (2 Gbit) DDR3
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	4x 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× External
	Beamforming	True
	Range Performance	Max: 240 m (787 ft)
		Indoor WiFi range varies depending on the layout and wall materials.
	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	2.5G RJ45 Ports	1	
	Gigabit RJ45 Ports	4	
	Ethernet Notes	The 2.5G port is WAN port, the Gigabit ports are LAN ports	
	LED	Power	
		Internet	
		WAN	
		LAN	
		2.4 GHz Wi-Fi	
		5 GHz Wi-Fi	
	Physical Buttons	WPS Button	
Reset Button			
Power Input	DC Jack		
Power	Power Methods	DC	
	DC	12V 1A	
	Power Adapter	Input: 100 ~ 240 V, 50/60 Hz AC Output: 12V 1A DC	
	Max Power Consumption(W)	10W	
Reliability	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	

Mechanical	Installation	Desktop Wall-mount
	Dimension	183.3×109×38 mm 7.22×4.29×1.5 inches

Software Specs

*Available with later firmware upgrade.

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 Upper Limit	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*			



Software Specs

*Available with later firmware upgrade.

General	Mesh*	Cudy Mesh
	Mesh Backhaul*	Wireless Backhaul
		Wired Backhaul
	Multi-Band Backhaul*	true
	WAN Mode	DHCP
Static IP		
PPPOE		
Internet Failover Sequence	WAN	
	WISP	
Network	QoS	Per-User Rate Limiting
	DHCP	Address Reservation
		DHCP Client List
		Server
		IP Versions
	IPv6 Protocols	Relay
		Dynamic (SLAAC/DHCPv6)
		Static (Fixed IP)
		Passthrough
		464XLAT
	IPTV/VLAN	MAP-E
		DS-Lite
		Bridge
Tag 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		
Utilities	VPN Server	WireGuard
		OpenVPN
		IPsec
		Zerotier
		PPTP
		L2TP



Software Specs

Utilities	VPN Client	WireGuard
		OpenVPN
		IPsec
		Zerotier
		PPTP
		L2TP
	DNS Options	DNS over TLS
		Manual DNS
		Rebind Protection
	DNS over TLS Providers	Override Clients' DNS
		Cloudflare
		Google
		Quad9
Wake on LAN	True	
Online Detection	True	
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
	Content Management	Device Rename
Domain Filter		
		IP Filter

System	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
		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](#)

[VPN Status](#)

[DHCP Server Status](#)

[System Version](#)

Charts

[Mesh Topology](#)

[Internet Speed](#)

[WISP Speed](#)

[Wi-Fi Speed](#)