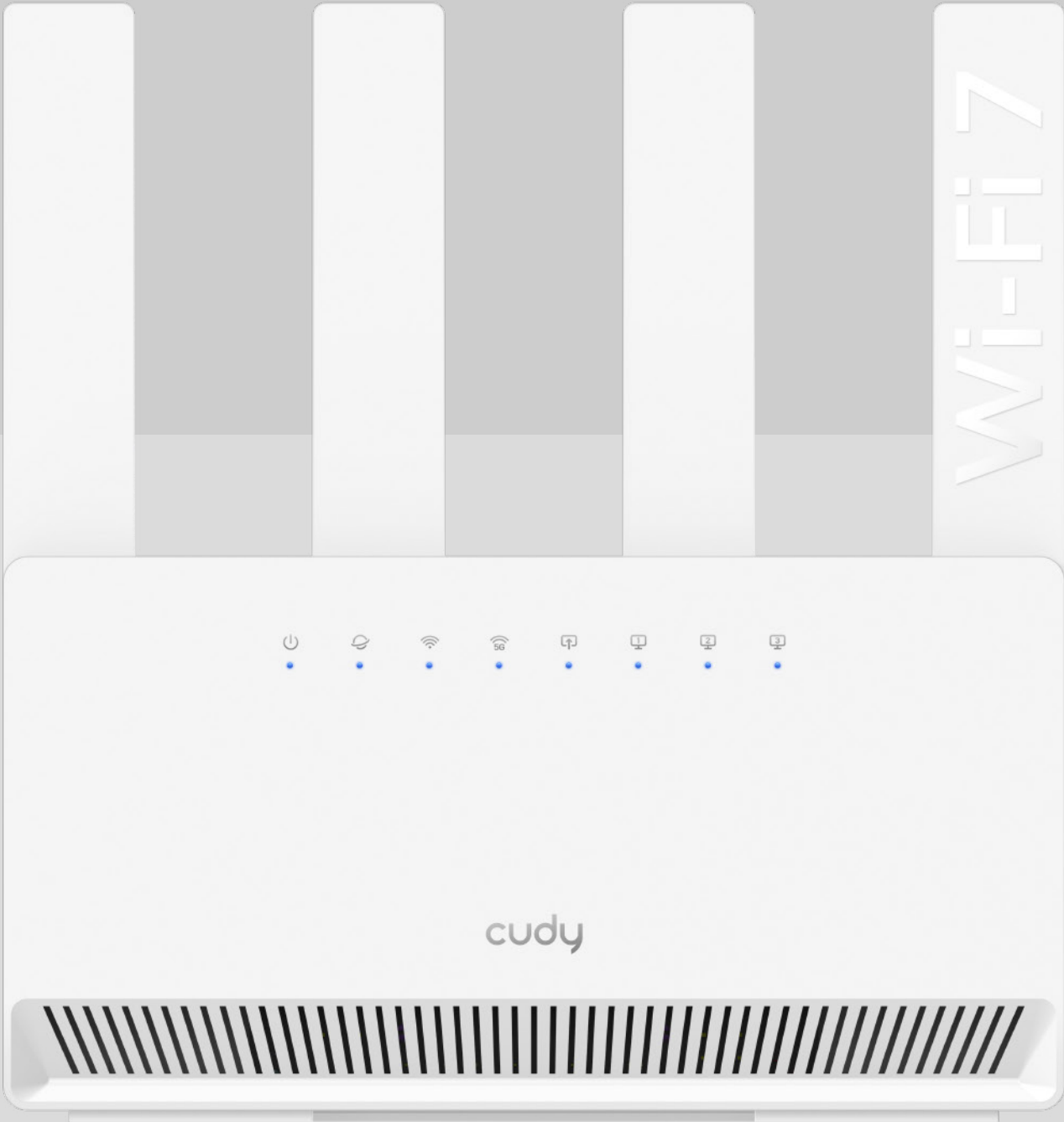




Model: WR3600E

BE3600

Gigabit Mesh Wi-Fi 7 Router





Highlights

A dual-band WiFi 7 router providing the MLO speed aggregation feature, ideal for latency-sensitive, speed-demanding scenarios.

- Broadcom 2 GHz Quad-Core CPU
- 4-Stream Dual-Band Wi-Fi 7
- 2880 Mbps + 688 Mbps Wi-Fi
- 4× Gigabit Ethernet Ports
- 200 Connected Devices
- Covers 130 m² (1,400 ft²)
- VPN Server and Client
- Cudy App, Cloud Controlt

Package Content

- WR3600E
- Power Adapter
- Ethernet Cable
- Installation Guide

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
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	7.8dBi
	2.4 GHz Antenna Gain Max	5.2dBi
	FEM or PA/LNA	5 GHz: 2× External
		2.4 GHz: 2× Internal
	Beamforming	True
Range Performance	Max: 240 m (787 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")



Hardware Specs

Interfaces	Gigabit RJ45 Ports	4
	Ethernet Notes	1 × WAN port, the rest are LAN ports
	LED	System
		Internet
		2.4 GHz Wi-Fi
		5 GHz Wi-Fi
		WAN
		LAN
	Physical Buttons	WPS Button
		Reset Button
Power	Power Input	DC Jack
	Power Methods	DC
		12V 1A
	Power Adapter	Input: 100 ~ 240 V, 50/60 Hz AC
	Max Power Consumption (W)	8.5W
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

Certifications	FCC, CE	
Mechanical	Installation	Desktop
	Product Weight	333.5 g (11.76 oz.)
Ordering Information	Retail Package Weight	EU: 763.5 g (26.93 oz.)
	Carton Gross Weight	EU: 8.5 kg (18.74 lbs)
	Carton Net Weight	EU: 7.6 kg (16.76 lbs)

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 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



Software Specs

General	Operation Modes	Wi-Fi Router
		Access Point
		Range Extender
	Mesh	Cudy Mesh
	Mesh Backhaul	Wireless Backhaul
		Wired Backhaul
	Multi-WAN	True
	Multi-Band Backhaul	True
Network	WAN Mode	DHCP, Static IP, PPPOE
	QoS	Per-User Rate Limiting
		Address Reservation
		DHCP Client List
	DHCP	Server
		IP Versions
		IPv4/IPv6
	IPv6 Protocols	Relay
		Dynamic (SLAAC/DHCPv6)
		Staic (Fixed IP)
		Passthrough
		464XLAT
		MAP-E
		DS-Lite

Network	IPTV/VLAN	Bridge
		Tag VLAN
		TTL Customization
	IGMP	Extend
		Spoof
		Custom
	Forwarding	IGMP Proxy
		IGMP Snooping
		Port Forwarding
		Port Triggering
		UPnP
	Firewall	DMZ
		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	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

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	True
	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



Software Specs

System	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
Drivers	Config Page via HTTPS,App Control,TR069/TR098/TR111/TR181	
Dashboard	Panel	Internet Status
		Devices Management
		WAN Status
		LAN Status
		Wi-Fi Status
		VPN Status
		DHCP Server Status
		System Version

Dashboard	Charts	Internet Speed
		Wi-Fi Speed
	Notes	Mesh Status and WISP Status will be avaiable with later firmware upgrade. Mesh Topology and WISP Speed will be available with later firmware upgrade.
Wake on LAN	WAN	
Protocols	802.1 Protocols	Diagnosis
		Ping
		Traceroute
		NSLookup
		System Log