

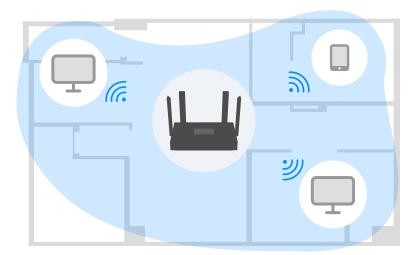


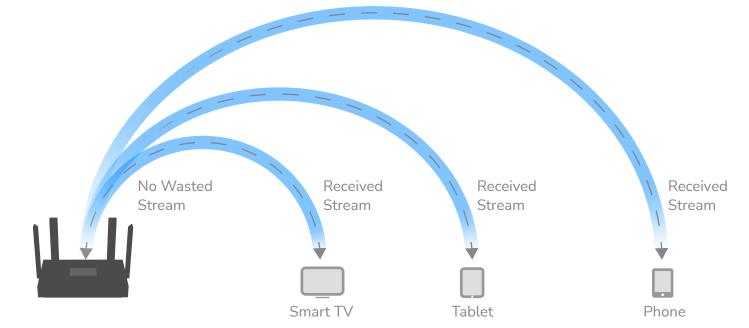


Up to 3.0 Gbps Wi-Fi 6 Speed: Enjoy smooth streaming, downloading, and gaming with extremely fast Wi-Fi 6 Speed.

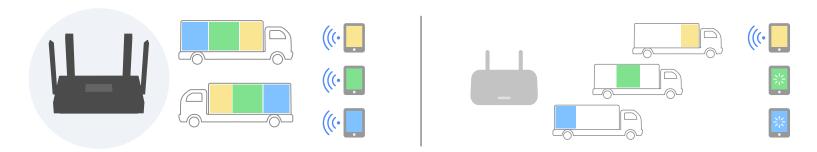
Features

Extensive Coverage: Beamforming, and four antennas combine to deliver focused reception to devices far away.





DL/UL MU-MIMO



DL/UL OFDMA

Without OFDMA

More Devices: Wi-Fi 6 uses OFDMA to improve capacity and efficiency of your network, so more devices can connect without slowing down your Wi-Fi.

Highlights

A WiFi 6 router with four Gigabit ports, suitable for home internet up to 1000 Mbps, connecting many devices, and reducing latency.

- 4-Stream Dual-Band Wi-Fi 6
- 2402 Mbps + 574 Mbps Wi-Fi
- 4× Gigabit Ethernet Ports
- 70 Connected Devices
- Covers 120 m² (1,300 ft²)
- Cudy Mesh, VPN Server and Client
- Cudy App, Cloud Control

Package Content

- WR3000
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Features

CPU	CPU Details	1.2 GHz Dual-Core
Memory	Flash/ROM	128 MB (1 Gbit) NAND
/Storage	DDR/RAM	128 MB (1 Gbit) DDR3
Wireless	5 GHz Wi-Fi Speed	2402 Mbps
	2.4 GHz Wi-Fi Speed	574 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	4.8 dBi
	2.4 GHz Antenna Gain Max	3.4 dBi
	FEM or PA/LNA	5 GHz: 2× Internal
		2.4 GHz: 2× Internal
	Beamforming	True
	Range Performance	Max: 170 m (558 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")



Hardware Specs

Interfaces	Gigabit WAN Ports	1
	Gigabit LAN Ports	3
	LED	System, 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)	8.8W
	Idle Power Consumption (W)	2.5W
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
Mechanical	Installation	Desktop, Wallmount
	Dimension	183.3×109×35 mm
		7.22×4.29×1.38 inches
	Weight	296g

Ordering Information	Retail Package Weight	614g
	Retail Package Dimension	176×140.5×56 mm
		6.93×5.53×2.2""
	Units per Carton	20
	Carton Dimension	60×30×37.5 cm
		23.62×11.81×14.76"
	Carton Gross Weight	13.5kg
	Carton Net Weight	12.3kg

Software Specs

Wireless	Wi-Fi Standards	Wi-Fi 6	
	Max Wi-Fi Modulation	1024-QAM	
	Wi-Fi Efficiency	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	True	
General	Operation Modes	Wi-Fi Router	
		Access Point	
		Range Extender	
		WISP	
		Client	

Datasheet AX3000 Gigabit Wi-Fi 6 Mesh Router | WR3000

Software Specs

Mesh	Cudy Mesh
Mesh Backhaul	Wireless Backhaul
	Wired Backhaul
Multi-Band Backhaul	True
WAN Mode	DHCP
	Static IP
	PPPOE, L2TP, PPTP
Internet Failover Sequence	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
	Multi-Band Backhaul WAN Mode Internet Failover Sequence QoS DHCP IP Versions IPv6 Protocols

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 and Client	WireGuard
		OpenVPN
		IPsec
		PPTP
		L2TP



Software Specs

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
	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

Local Control Mothed	atrol Mathed Config Web Dage	
Local Control Method	Config Web Page	
	App Control	
Remote Control	Config Page via HTTPS	
Method	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 • Romaniar	
	• Turkish • Vietnamese • Thai • Ukrainian	
	Polish	
	Simplified Chinese	
	Firmware Upgrade Reliability Diagnostic Tools	

Datasheet AX3000 Gigabit Wi-Fi 6 Mesh Router | WR3000



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