AX1500 Gigabit Mesh Wi-Fi 6 Router

WR1500

cudy

WHOLE HOME MESH

Wi-Fi 6

Wi-Fi6
Next Generation WiFi 6

1000M
Ethernet Ports

AX1500
Super-Fast WiFi Speed

Dual-Band

Beamforming

Powerful Wi-Fi 6 AX1500

4X
more capacity

Mobile Phone

Pad

laptop

game

IP camera

TV

Smart bulb

Smart speaker

Mobile Phone

Robotic Vacuum

38%
faster with Gigabit Wi-Fi

Wi-Fi 6 / 5 GHz 1201 Mbps

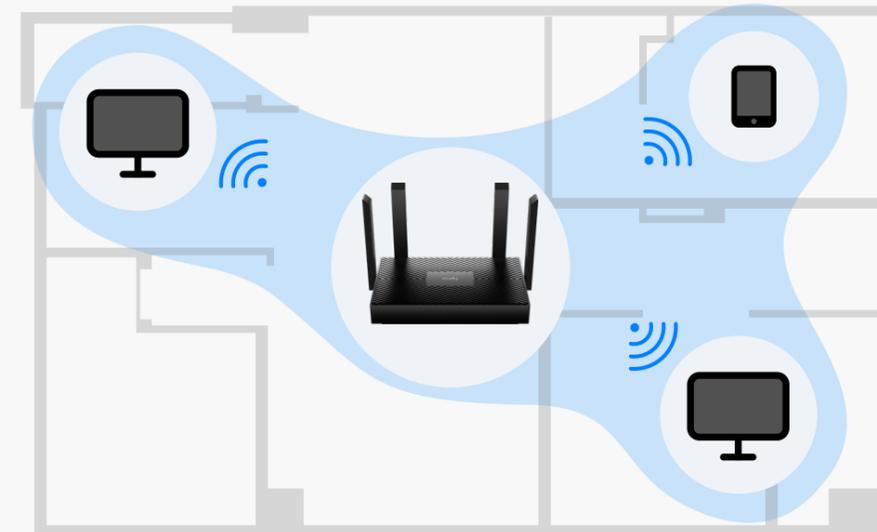Wi-Fi 5 / 5 GHz 867 Mbps

100%
backwards compatibility

8K

6

5

4

cudy

1201 Mbps (5 GHz)

300 Mbps (2.4 GHz)

Up to 1.5 Gbps Wi-Fi 6 Speed

Enjoy smooth streaming, downloading, and gaming with extremely fast Wi-Fi 6 Speed.

Extensive Coverage

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

Highlights

A Gigabit WiFi 6 router with 4 Gigabit ports, suitable for home internet up to 1000 Mbps, connecting many devices, and reducing latency.

- 4-Stream Dual-Band Wi-Fi 6
- 1201 Mbps + 300 Mbps Wi-Fi
- 4× Gigabit Ethernet Ports
- Beamforming
- 60 Connected Devices
- Covers 100m² (1,100 ft²)
- Cudy Mesh, VPN Client
- Cudy App, Cloud Control

Package Content

- WR1500
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Specs

CPU	CPU Details	1 GHz CPU
Memory/Storage	Flash/ROM	16 MB (128 Mbit) NOR
	DDR/RAM	128 MB (1 Gbit) DDR2
Wireless	5 GHz Wi-Fi Speed	1201 Mbps
	2.4 GHz Wi-Fi Speed	300 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
	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. 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")

Hardware Specs

Interfaces	Gigabit RJ45 Ports	4
	Ethernet Notes	1× WAN port, the rest are LAN ports
	LED	System
	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
Certifications	FCC, CE	

Mechanical	Installation	Desktop
		Wall-mount
	Dimension	183.3×109×35 mm
		7.22×4.29×1.38 inches
	Product Weight	EU: 220 g (7.76 oz.)
		ZH: 224.6 g (7.92 oz.)

Software Specs

Software Specs

Wireless			
Wireless	Wi-Fi Standards	Wi-Fi 6	
	Max Wi-Fi Modulation	1024-QAM	
	Max Capacity	128	
	Recommended Client Upper Limit	60	
	Max Wi-Fi Channel Width	80 MHz	
	Wi-Fi Security	WPA/WPA2/WPA3	
	WPS	True	
General	Operation Modes	• Wi-Fi Router	• Access Point
		• Range Extender	
		• WISP	• Client
	Mesh	Cudy Mesh	
	Mesh Backhaul	Wireless Backhaul	
		Wired Backhaul	
	Multi-Band Backhaul	True	
	WAN Mode	DHCP	
		Static IP	
		PPPOE	
		PPTP	
		L2TP	
	Internet Failover Sequence	WAN	
		WISP	

Network		
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
	IPTV/VLAN	Bridge
		VoIP VLAN
		Tag VLAN
		IPTV VLAN
	Firewall	SPI Firewall
		Block PING
	IGMP	IGMP Proxy
		IGMP Snooping
	Forwarding	Port Forwarding
		UPnP
		DMZ

Software Specs

Utilities	VPN Client	PPTP
		L2TP
		Wireguard
	DNS Options	Manual DNS
		Rebind Protection
		Override Clients' DNS
	Online Detection	True
	Wake on LAN	True
Management	All Devices Management	Wi-Fi Time Schedule
		MAC Filter
		IP/MAC Binding
	Per-Devices Management	Internet On/Off
		VPN On/Off
		Online Time Schedule
		Device Rename
	Content Management	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

System	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 • Portuguese
		• Russian • Spanish
		• Ukrainian • French
		• Simplified Chinese
Dashboard	Panel	• Internet Status • Mesh Status
		• Devices Management
		• WAN Status • LAN Status
		• WISP Status • Wi-Fi Status
		• VPN Status • System Version
		• DHCP Server Status
	Charts	• Mesh Topology • Internet Speed
		• WISP Speed • Wi-Fi Speed