



Model: WR3000H

AX3000

2.5 Gbps Mesh
Wi-Fi 6 Router



[Datasheet](#)

Wi-Fi 6

Next Generation WiFi 6

1.3GHz

Dual Core
Processor



160 MHZ Bandwidth

Streaming Network for
Multi-Devices

AX3000

Extremely-Fast WiFi

2.5Gbps

WAN Port



MU-MIMO



Dual-Band

Wi-Fi 6 - The Most Powerful Wi-Fi Ever

4X

more capacity

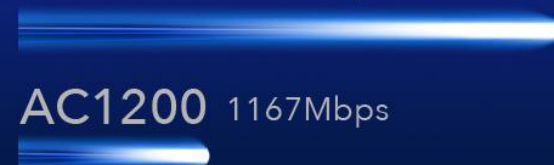


150%

increase in data throughput

AX3000 2976Mbps

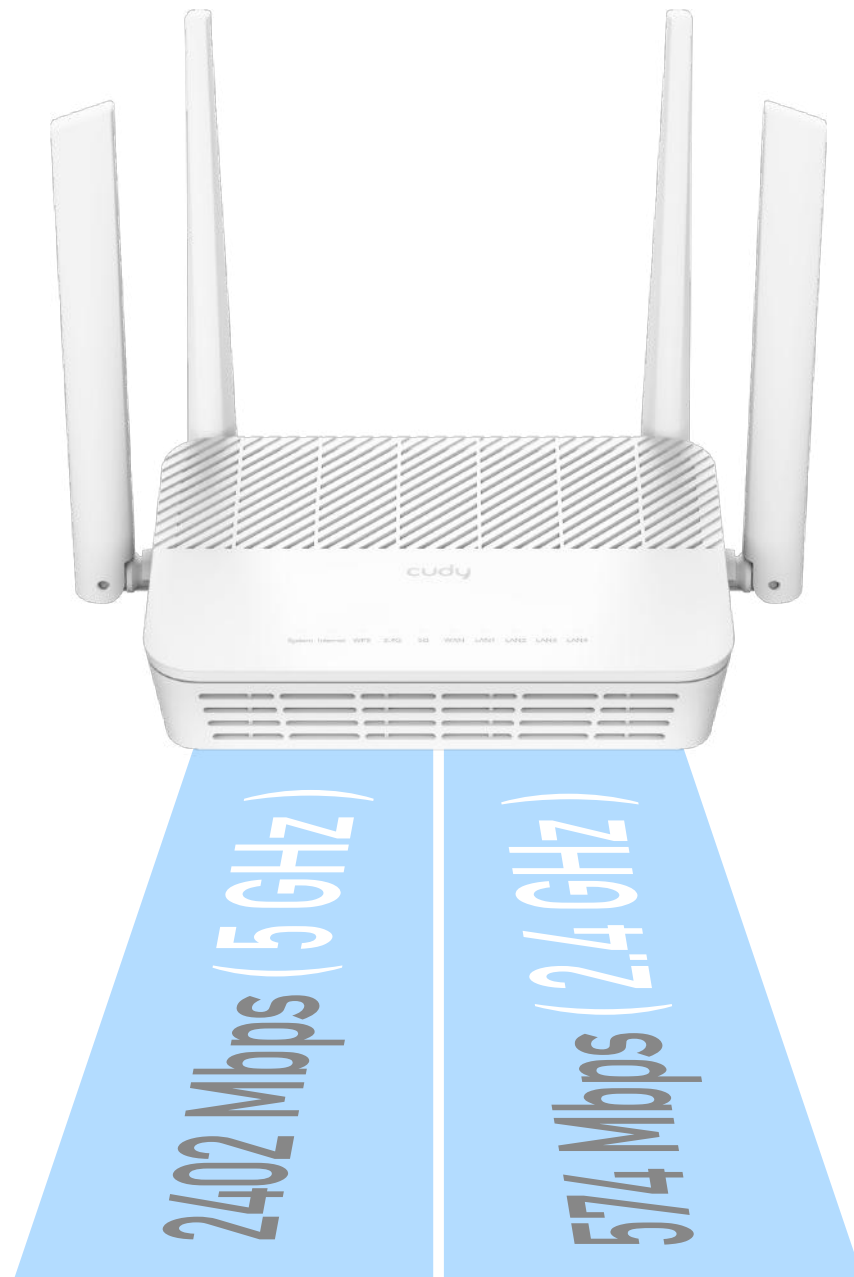
AC1200 1167Mbps



100%

backwards compatibility

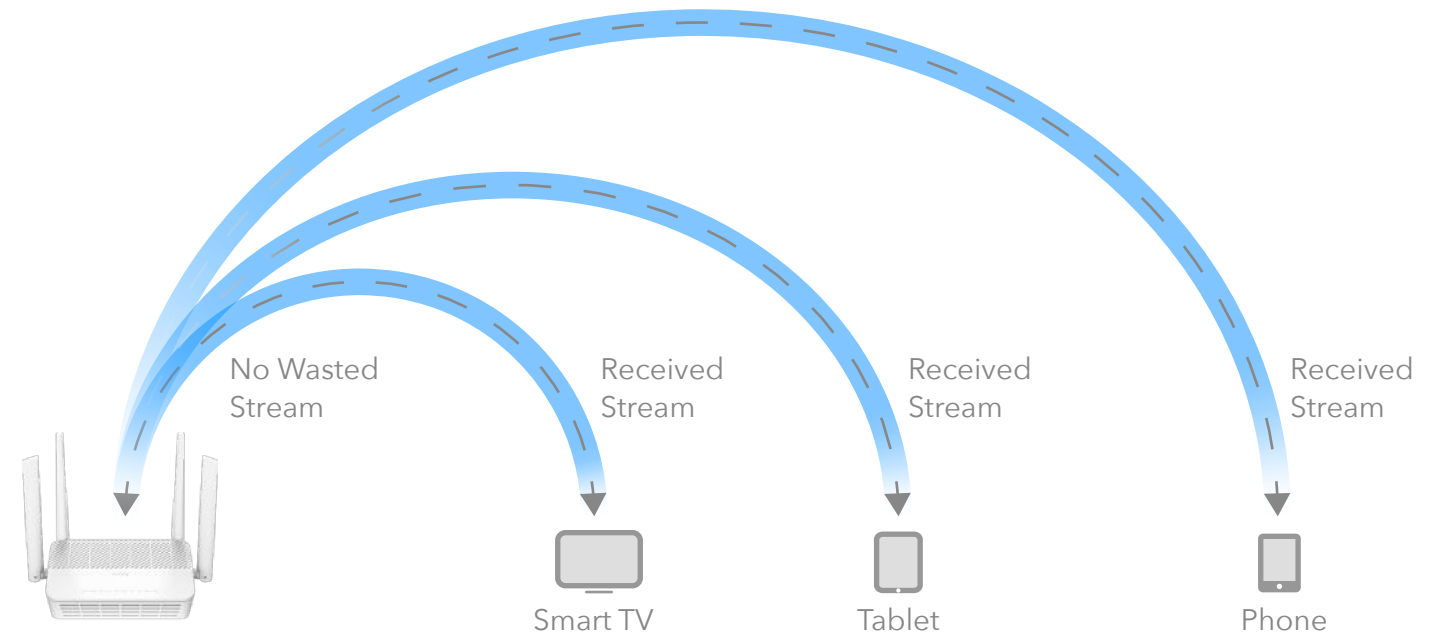
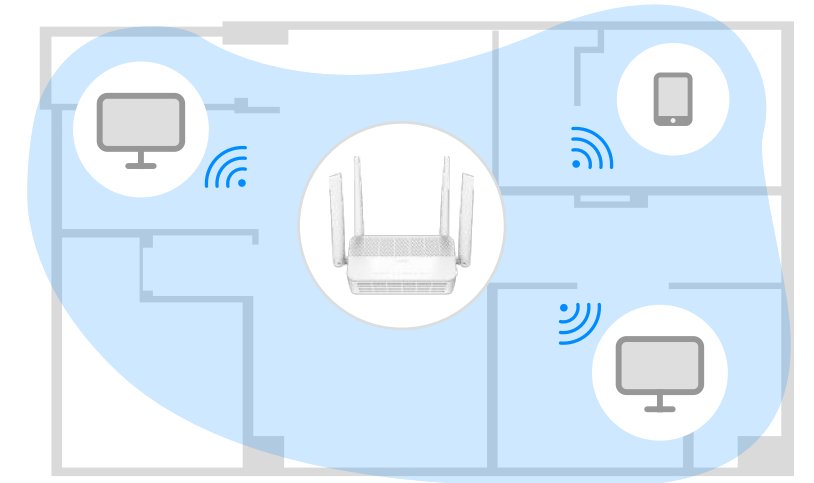




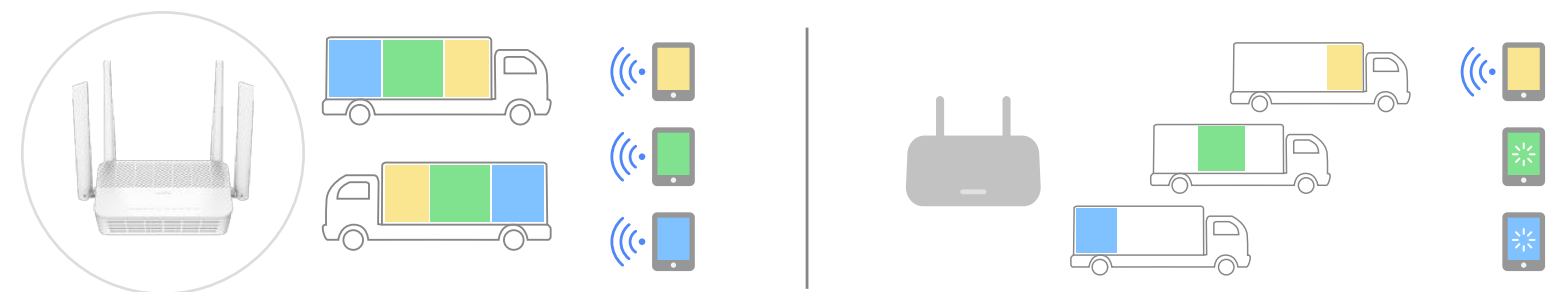
Up to 3.0 Gbps Wi-Fi 6 Speed: Enjoy smooth streaming, downloading, and gaming with extremely fast Wi-Fi 6 Speed.

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.



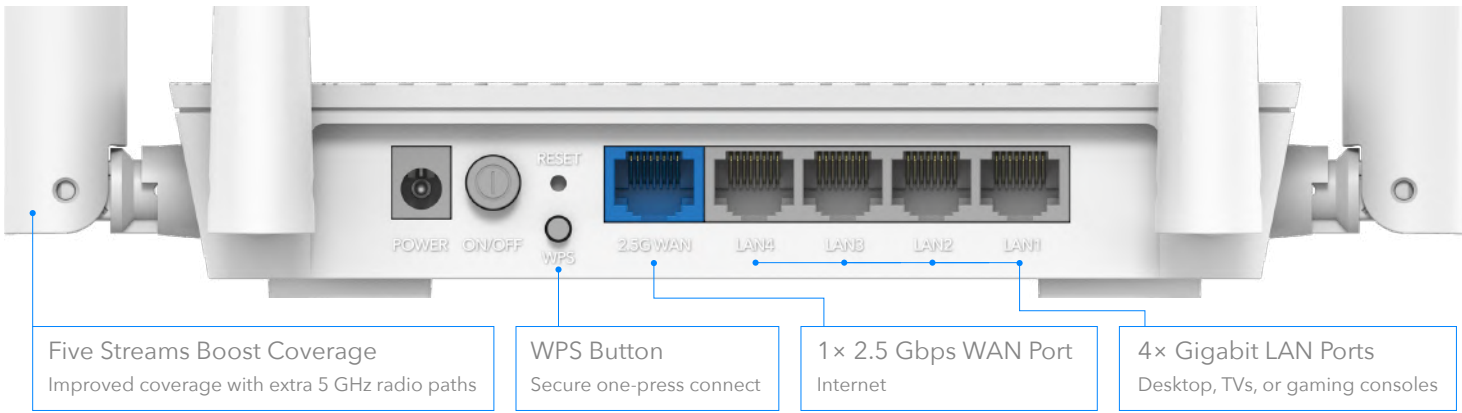
Specifications

- AX3000 High Speed Wi-Fi 6
- 2.5 Gbps Multi-Gigabit WAN Port
- 1.3 GHz Dual-core ARM Cortex A53 Processor
- 5-In-1 Multi-Mode Wi-Fi 6 Router
- PPTP/L2TP/OpenVPN/WireGuard/IPsec VPN
- TR069 / TR098 / TR111 / TR181
- EasyMesh* / Cudy Mesh Ready

*Easy Mesh is optional for service provider orders

Wireless

Wi-Fi Specs	AX3000 Wi-Fi 6
Wi-Fi Frequency	2.4 GHz, 5 GHz
Wi-Fi Speed	Up to 574 Mbps on 2.4GHz
	Up to 2402 Mbps on 5GHz
Wi-Fi Standards	IEEE 802.11ax/n/b/g 2.4 GHz
	IEEE 802.11ax/ac/n/a 5 GHz
Wi-Fi Bandwidth	20/40/80/160 MHz
Encryptions	WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK,
	WPA3, WPA2-PSK/WPA3
Features	DL/UL MU-MIMO
	DL/UL OFDMA
	Beamforming



Hardware

Processor	1.3GHz Dual-core ARM Cortex A53
ROM / Flash	128 MB Nand Flash
RAM / DDR	256 MB DDR3
Ethernet Port	1 × 2.5Gbps WAN Port
	(PoE-IN Optional, See WR3000P)
	4 × Gigabit LAN Ports
USB	1 × USB 2.0 (Optional, See WR3000P)
Antennas	4 × 5dBi Antennas
Buttons	1 × Power ON/OFF Button
	1 × Reset Button
	1 × WPS(Mesh) Button
LEDs	Power, Internet, 2.4G Wi-Fi, 5G Wi-Fi, WPS, WAN, LAN, VPN, USB (Optional)
Power Supply Options	12V / 1.5A
	802.3at/af PoE via WAN (Optional, See WR3000P)
	48~57V Passive PoE via WAN (Optional, See WR3000P)



Software

Working Mode	Wi-Fi Router
	Wireless AP
	Wi-Fi Extender
	WISP
	Mesh
Mesh Technology	Cudy Whole Home Mesh
	Easymesh R3*
WAN Type	Basic:
	PPPoE
	Static IP
	Dynamic IP
	Dual Access:
	PPPoE + Dynamic IP (Customizable for ISP)
	PPPoE + Static IP (Customizable for ISP)
	PPTP + Dynamic IP (Customizable for ISP)
	PPTP + Static IP (Customizable for ISP)
Guest network	L2TP + Dynamic IP (Customizable for ISP)
	L2TP + Static IP (Customizable for ISP)
WPS	1 × 2.4 GHz Guest Network
	1 × 5 GHz Guest Network
Wake On LAN	Support

*Easy Mesh is optional for service provider orders

DHCP	DHCP Server, DHCP Client List, Address Reservation
DDNS	Compatible with 15 more DDNS providers
NAT	DMZ, Port Forward, Port Trigger
Zerotier	Master, Slave
VPN Server	PPTP/L2TP/OpenVPN/WireGuard/IPsec
VPN Client	PPTP/L2TP/OpenVPN/WireGuard/IPsec
VPN Pass-through	IPSec Pass-through
	L2TP Pass-through
	PPTP Pass-through
TTL	Extend/Spoof/Custom
DNS	Cloudflare/Google/Quad9/Custom
IGMP	IGMP v2/v3
	IGMP Snooping
	IGMP Proxy
IPTV/VLAN	Bridge
	Tag VLAN
Internet Protocols	IPv4 / IPv6
IPv6	Relay
	Dynamic(SLAAC/DHCPv6)
	Static (Fixed IP)
	Passthrough
	MAP-E (Dual-stack)
	DS-Lite (Dual-stack)



Software

UPnP	Support
Firewall	SPI Firewall
	DoS protection
	Respond to PING
Management	MAC Filter
	IP Filter
	Domain Filter
	IP/MAC binding
	Wi-Fi Schedule
ALG	FTP ALG
	TFTP ALG
	H323 ALG
	SIP ALG
	RTSP ALG
Clients Management	Internet ON/OFF
	VPN ON/OFF
Multilingual	Support

System	Local Management (http/https)
	Remote Management (https)
	Firmware Update
	Backup/Restore
	Timezone
	Admin Account Management
	Reset
	Reboot
Diagnostic tools	Timed Reboot
	Diagnosis
	Ping
	Traceroute
	NSLOOKUP
ACS compatiability	Sytemlog
	GenieACS, OpenACS
CWMP	TR069 / TR098 / TR111 / TR181



Physical

Product	Dimensions	173×123.8×33 mm (6.81×4.87×1.3")
Package	Dimensions	304×268×54 mm (11.97×10.55×2.13")
	Contents	1 × Wi-Fi Router
		1 × Power Adapter
		1 × Ethernet Cable (1 meter)
		1 × Quick Installation Guide
Carton	Weight	787.5 g (27.78 oz.)
	Dimensions	55.6×55.5×32.5 cm (21.89×21.85×12.8")
	Units in Carton	20
	Weight	GW: 17.1 kg (37.7 lbs); NW: 5.8 kg (34.83 lbs)

Environment

Environmental	Operating Temperature: 0 °C ~ 40 °C (32 °F 104 °F)
Requirements	Storage Temperature: -40 °C 70 °C (-40 °F ~ 158 °F)
	Operating Humidity: 10% ~ 90% non-condensing
	Storage Humidity: 5% ~ 95% non-condensing

Ordering info

Model	Power Plug	2.4GHz Wi-Fi Bands	5GHz Wi-Fi Bands
WR3000H_EU	EU-Plug(Type C)	Band 1 ~ Band 13	Band 36/40/44/48
			Band 52/56/60/64
			Band 100/104/108/112/116/120/124/128/132/136/140
WR3000H_US	US-Plug(Type A)	Band 1 ~ Band 11	Band 36/40/44/48
			Band 52/56/60/64
			Band 100/104/108/112/116/132/136/140
			Band 149/153/157/161/165