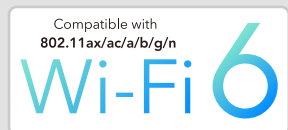




Model: WR3000H

AX3000


2.5Gbps Multi-Gigabit
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

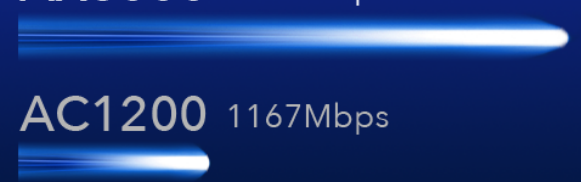
Wi-Fi 6 - The Most Powerful Wi-Fi Ever

4X
more capacity



150%
increase in data throughput

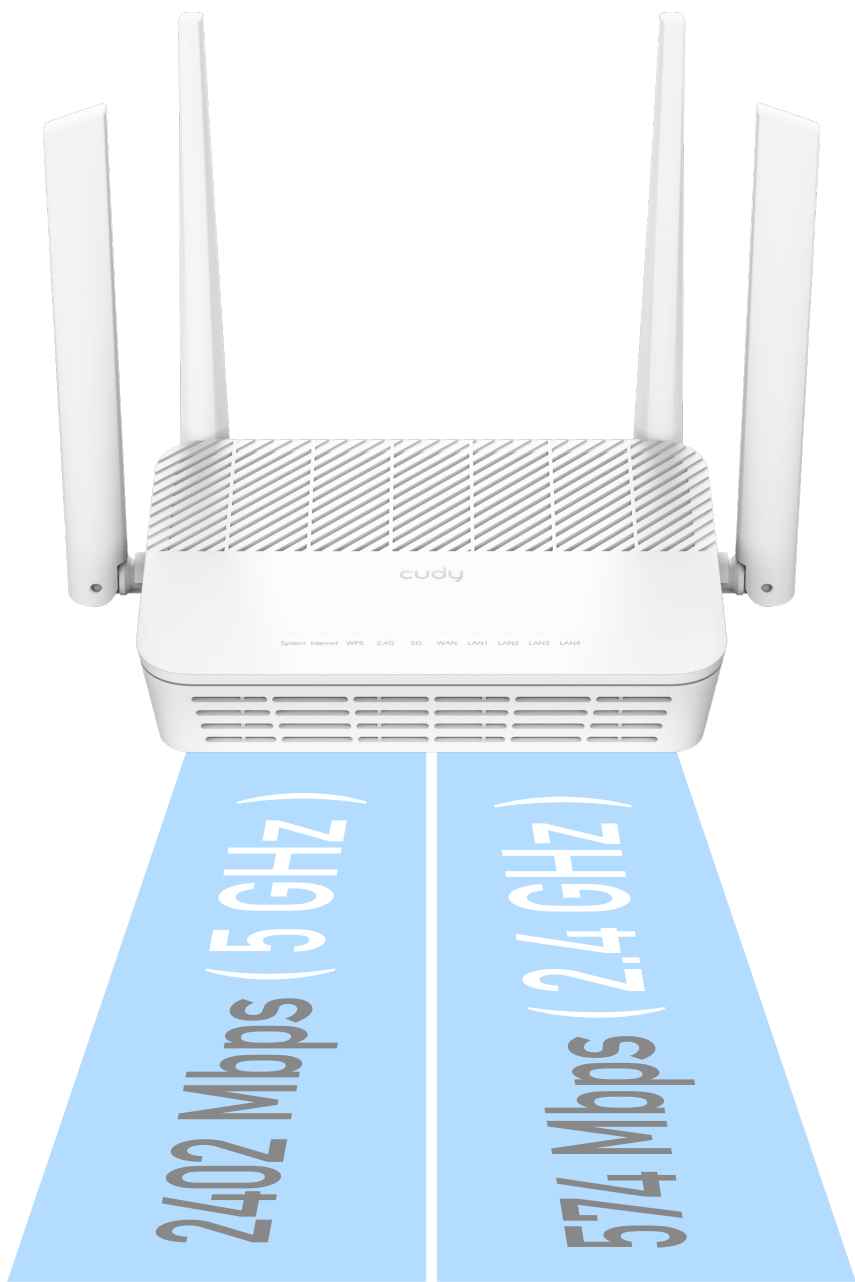
AX3000 2976Mbps



AC1200 1167Mbps

100%
backwards compatibility

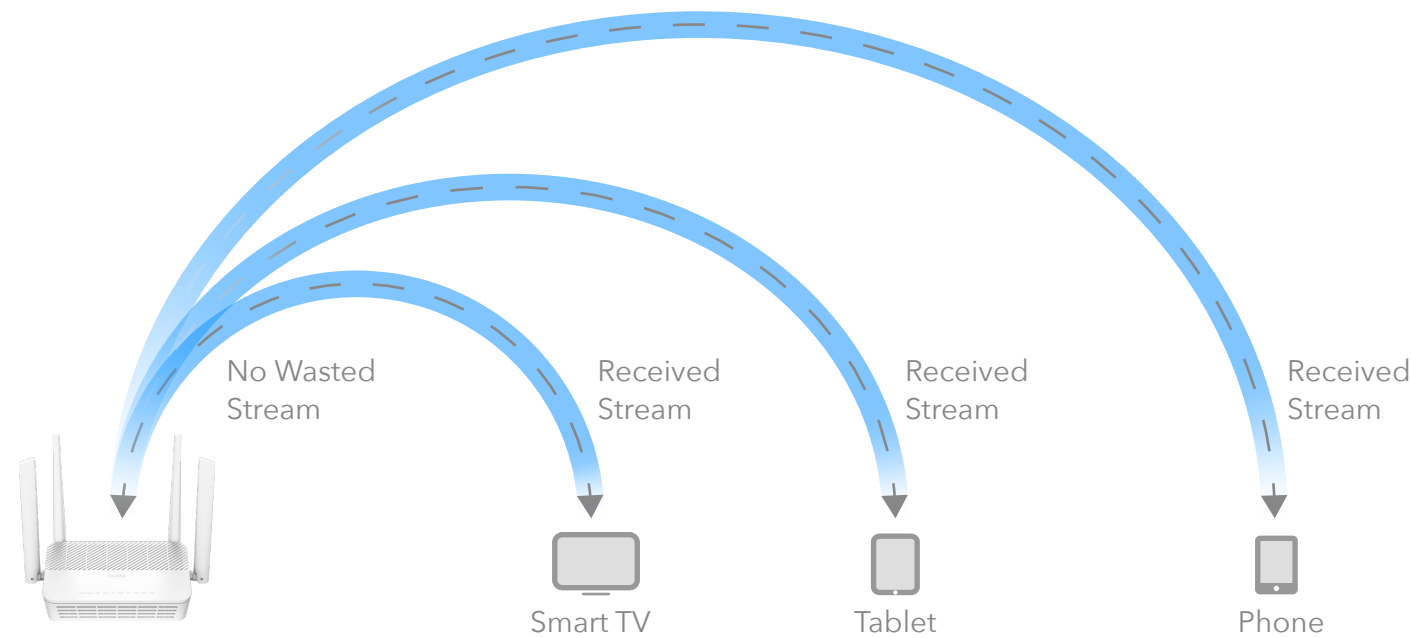
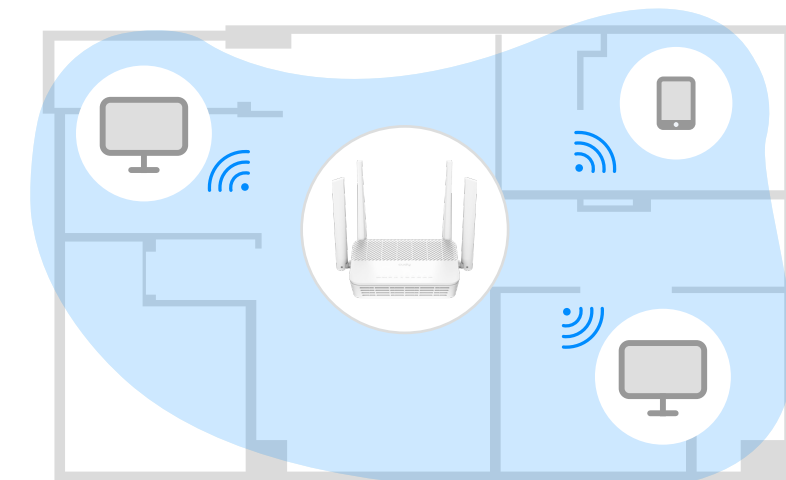




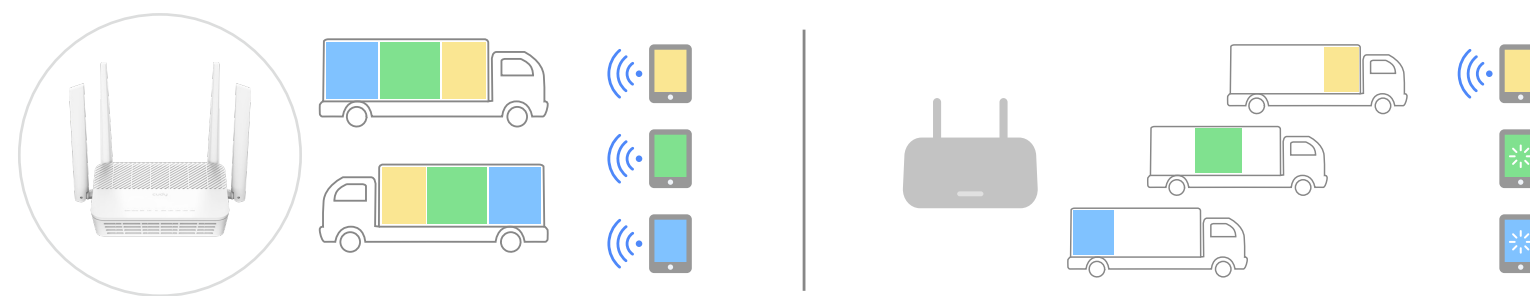
Up to 3.0Gbps Wi-Fi 6 Speed: Enjoy smooth streaming, downloading, and gaming with extremely fast Wi-Fi 6 Speed.

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.

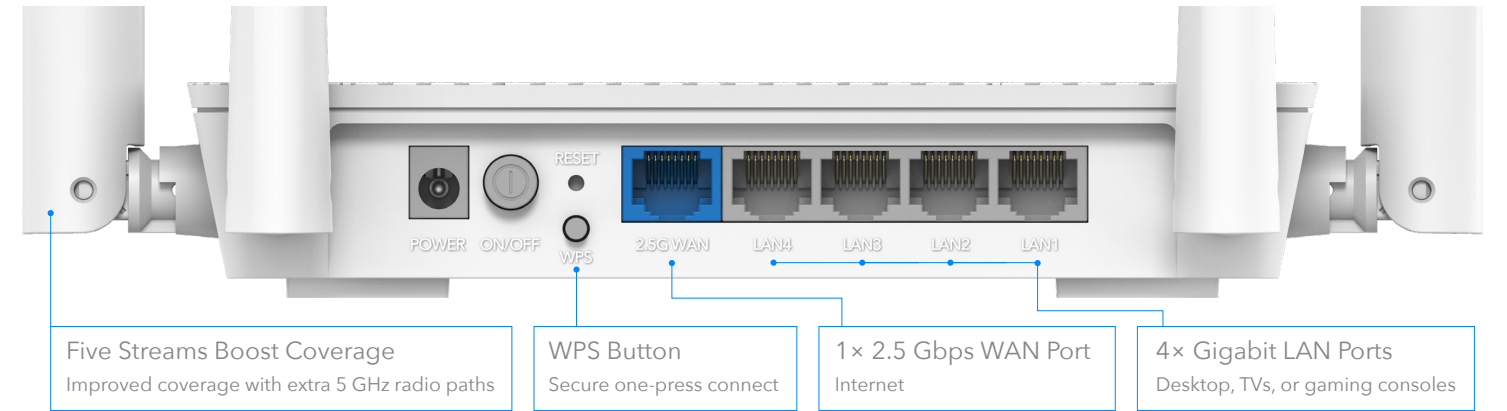
Specifications

- AX3000 High Speed Wi-Fi 6
- 2.5Gbps Multi-Gigabit WAN Port
- 1.3GHz 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 574Mbps on 2.4GHz Up to 2402Mbps 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	128MB Nand Flash
RAM / DDR	512MB DDR4
Ethernet Port	1 × 2.5Gbps WAN Port (TBD: PoE-IN Optional for customization) 4 × 1Gbps LAN Ports
USB	1 × USB 2.0 (Optional for customization)
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 / 1A (TBD) 802.3at/af PoE via WAN (Optional for customization) 48~57V Passive PoE via WAN (Optional for customization)



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 (TBD)
	PPPoE + Static IP (TBD)
	PPTP + Dynamic IP (TBD)
	PPTP + Static IP (TBD)
L2TP + Dynamic IP (TBD)	
L2TP + Static IP (TBD)	
Guest network	1 × 2.4 GHz Guest Network
	1 × 5 GHz Guest Network
WPS	Support
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
	Timed Reboot
Diagnostic tools	Diagnosis
	Ping
	Traceroute
	NSLOOKUP
	Sytemlog
ACS compatiability	GenieACS, OpenACS
CWMP	TR069 / TR098 / TR111 / TR181



Physical

Product	Dimensions	173×123.8×33 mm
	Package	
	Dimensions	TBD
	Contents	1 × Wi-Fi Router 1 × Power Adapter 1 × Ethernet Cable(1 meter) 1 × Quick Installation Guide
	Weight	TBD
Carton	Dimensions	TBD
	Units in Carton	TBD
	Weight	TBD

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% ~ 90% 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