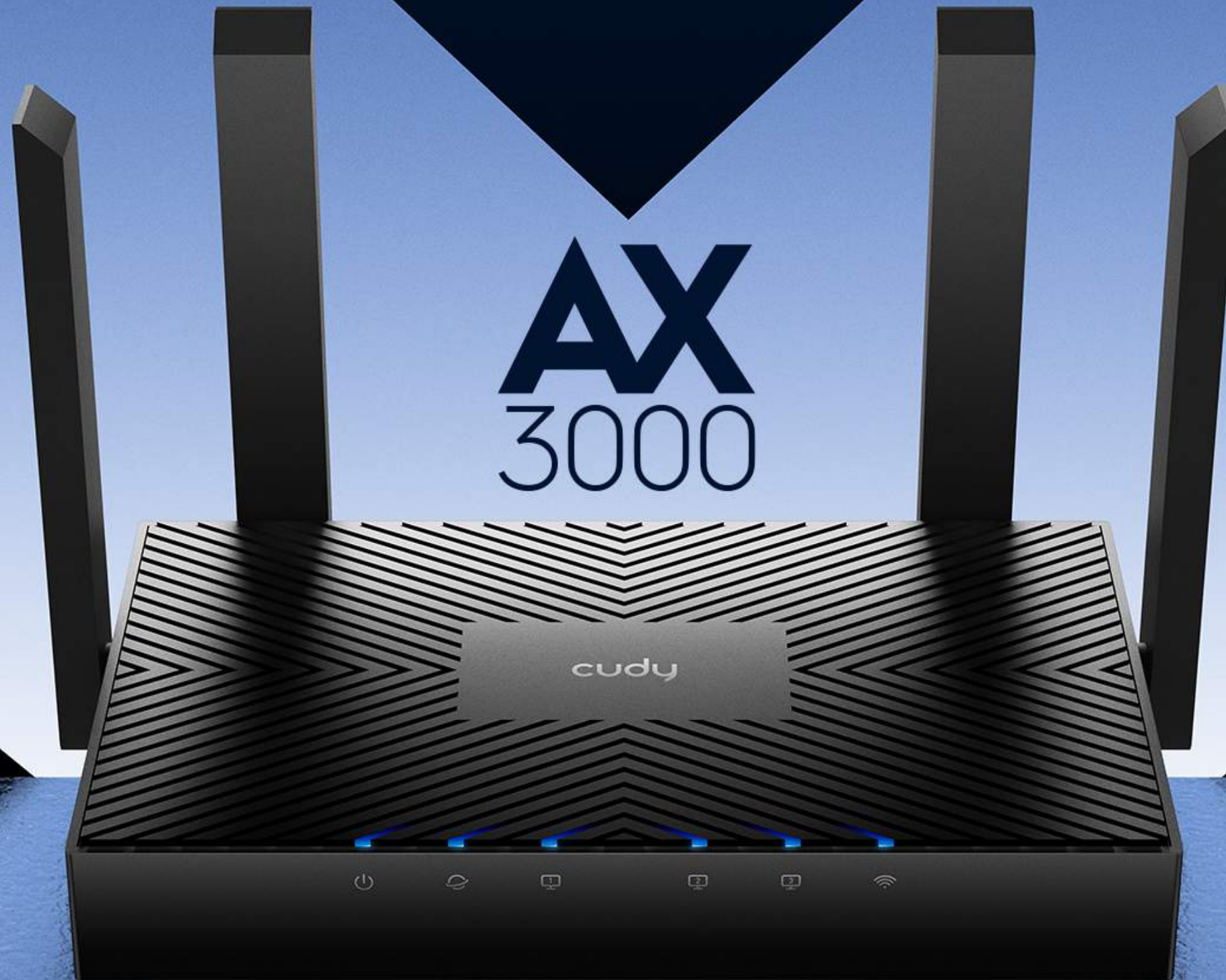


cudy



AX
3000



AX3000 Gigabit Wi-Fi 6 Mesh Router


WR3000

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

1000M

Ethernet Ports



MU-MIMO



Dual-Band

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

4X

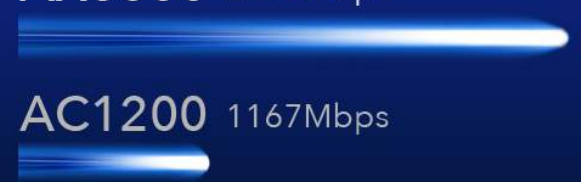
more capacity



150%


increase in data throughput

AX3000	2976Mbps
AC1200	1167Mbps



100%

backwards compatibility

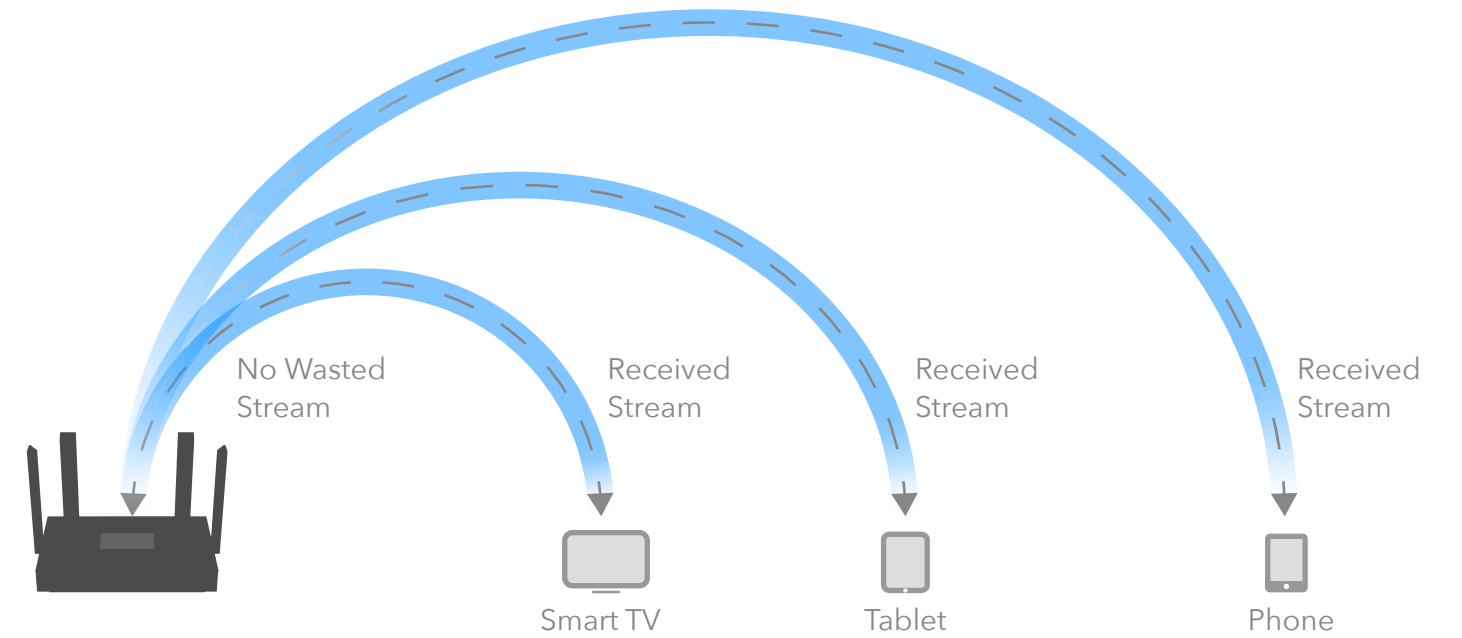
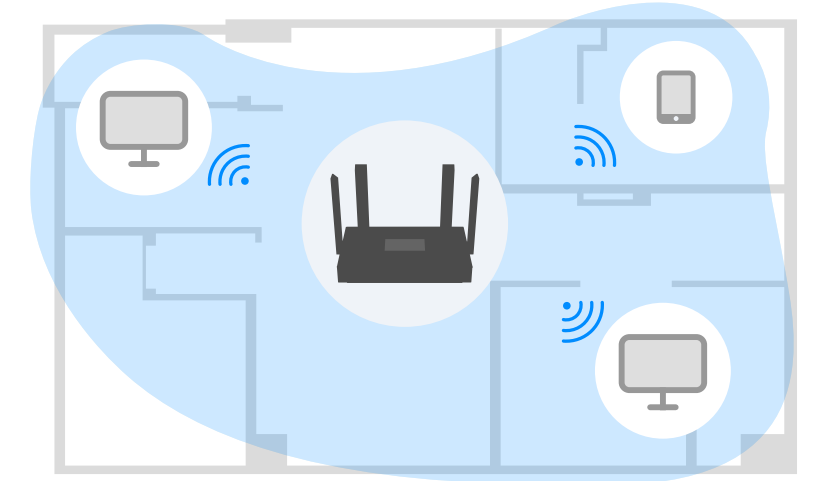




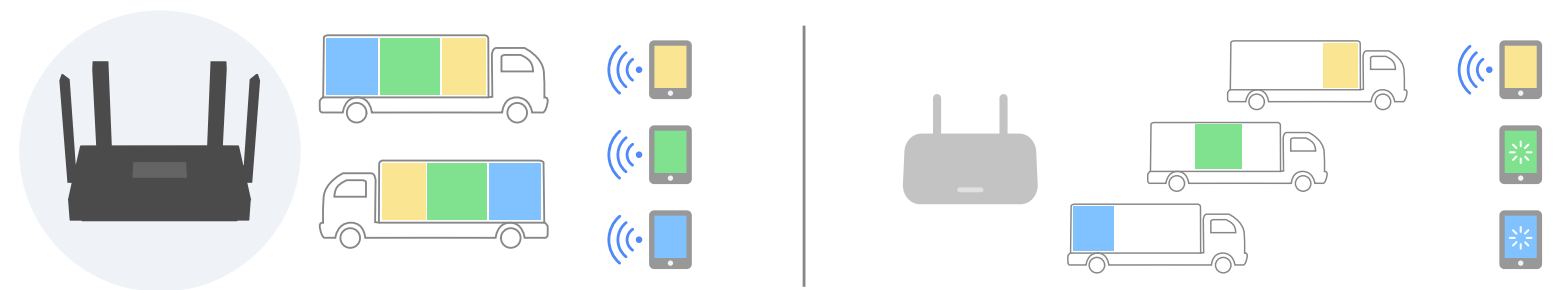
Up to 3.0Gbps Wi-Fi 6 Speed: Enjoy smooth streaming, downloading, and gaming with extremely fast Wi-Fi 6 Speed.

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

- 1.3 GHz Dual-Core Cortex-A53 Processor
- Extremely Fast AX3000 Wi-Fi 6 Technology
- 4× 10/100/1000Mbps Ethernet Ports
- 4× External High-Gain Antennas
- 20/40/80/160 MHz Bandwidth Supported
- OFDMA, Beamforming, and MU-MIMO
- IPv4/IPv6, TR069/TR098/TR181/TR111

Hardware Features

Processor	1.3 GHz Dual-Core Cortex-A53 Processor
Antennas	4× Fixed Omni-Directional Antennas
Ethernet Ports	1× 10/100/1000 Mbps WAN Port 3× 10/100/1000 Mbps LAN Ports
Buttons	WPS Button, Reset Button
Power Supply	12 V / 1A
Dimensions (W×D×H)	Router: 200×117×35 mm (31.11×18.13×5.45 inches) Antenna: 7×9×123 mm each (0.08×0.04×0.75 inches)

Wireless Features

Wireless Standards	IEEE 802.11ax/ac/n/a 5 GHz IEEE 802.11ax/n/b/g 2.4 GHz
Wireless Frequency	5 GHz, 2.4 GHz
Wireless Bandwidth	20/40/80/160 MHz
Signal Rate	2402 Mbps (5 GHz), 574 Mbps (2.4 GHz) Compatible with 802.11ax/ac/n/g/b/a Wi-Fi standards
Transmit Power	CE: <20 dBm(2.4 GHz), <23 dBm(5.15 GHz~5.25 GHz) FCC:<30 dBm(2.4 GHz & 5.15 GHz~5.825 GHz)
Wireless Modes	Enable/Disable Wireless Radio, WMM
Wireless Security	WPA-PSK/WPA2-PSK, WPA3
Other Features	MU-MIMO, Beamforming

Software Features

WAN Type	Dynamic IP/Static IP/PPPoE
DHCP	Server, DHCP Client List, Address Reservation
Dynamic DNS	Compatible with 15 more DDNS providers
Guest Network	1 × 2.4 GHz Guest Network 1 × 5 GHz Guest Network
NAT	Port Forwarding, Port Triggering, UPnP, DMZ
VPN	PPTP/L2TP/OpenVPN/WireGuard
Working Mode	Wi-Fi Router/ Wireless Access Point/Wi-Fi Extender/ WISP
CWMP Protocol	TR069 / TR098 / TR111 / TR181
ACS Server Compatibility	GenieACS, OpenACS
TTL	Extend/Spoof/Custom
DNS	Cloudflare/Google/Quad9/Custom
VLAN	Tag VLAN / IPTV
Internet Protocols	IPv4 / IPv6
IPv6	Relay Dynamic(SLAAC/DHCPv6) Static (Fixed IP) Passthrough MAP-E (Dual-stack) DS-Lite (Dual-stack)

Others

Package	AX3000 Wi-Fi 6 Router
Contents	Power Adapter RJ45 Ethernet Cable Quick Installation Guide
System	Systems with wireless or wired network connectivity
Requirements	Web browser, such as Edge, Firefox, Chrome, or Safari Internet access subscription with ISP