

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

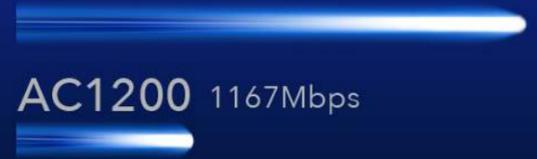
Wi-Fi 6 - The Most Powerful Wi-Fi Ever

4X
more capacity



150%
increase in data throughput

AX3000	2976Mbps
AC1200	1167Mbps



100%
backwards compatibility

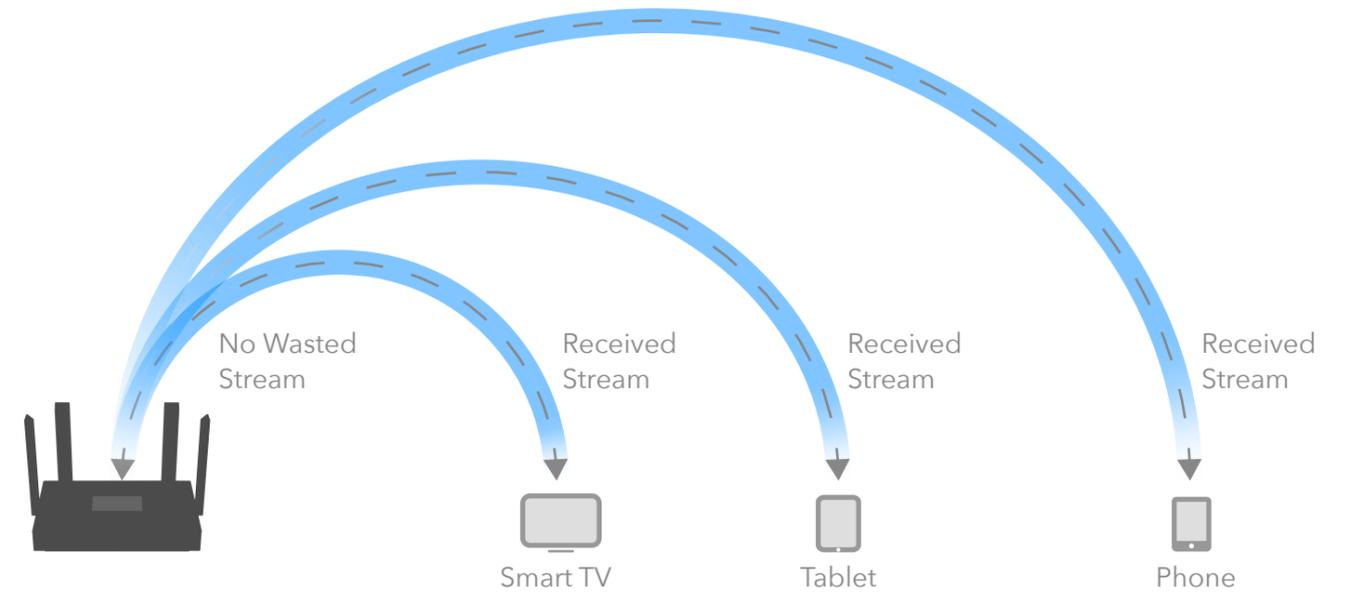
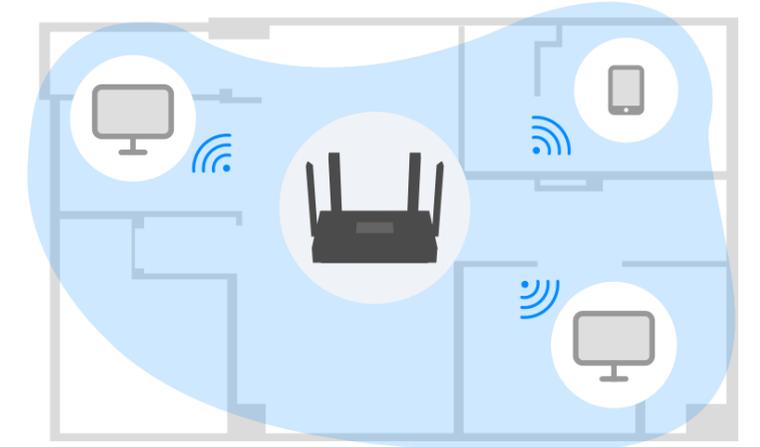




Up to 3.0Gbps Wi-Fi 6 Speed: Enjoy smooth streaming, downloading, and gaming with extremely fast Wi-Fi 6 Speed.

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)	183.3×109×35 mm (7.22×4.29×1.38 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, WPA-PSK/WPA2-PSK, WPA2-PSK/WPA3
Other Features	DL/UL MU-MIMO, DL/UL OFDMA, Beamforming, Mesh

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/ AP/RE/ WISP/Mesh
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
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
System	Systems with wireless or wired network connectivity
Requirements	Web browser, such as Edge, Firefox, Chrome, or Safari Internet access subscription with ISP