



Model: WR3000E

AX3000

Gigabit Wi-Fi 6
Mesh Router



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

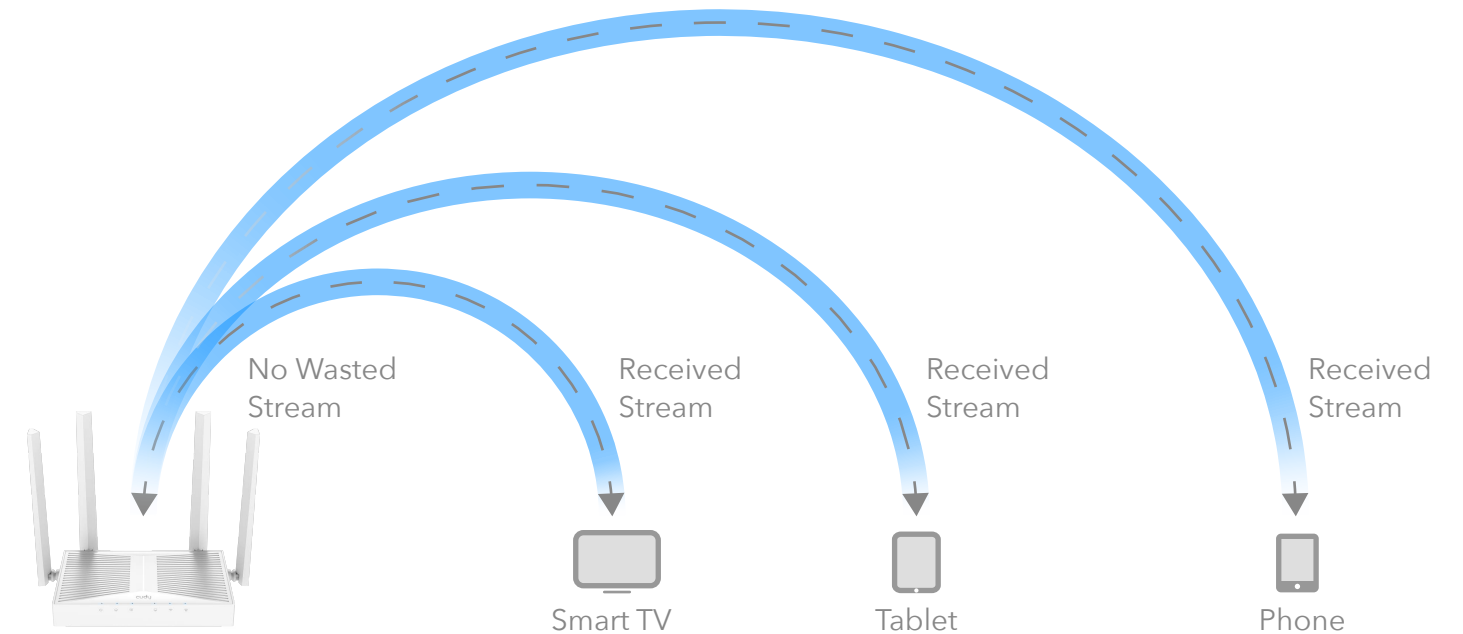
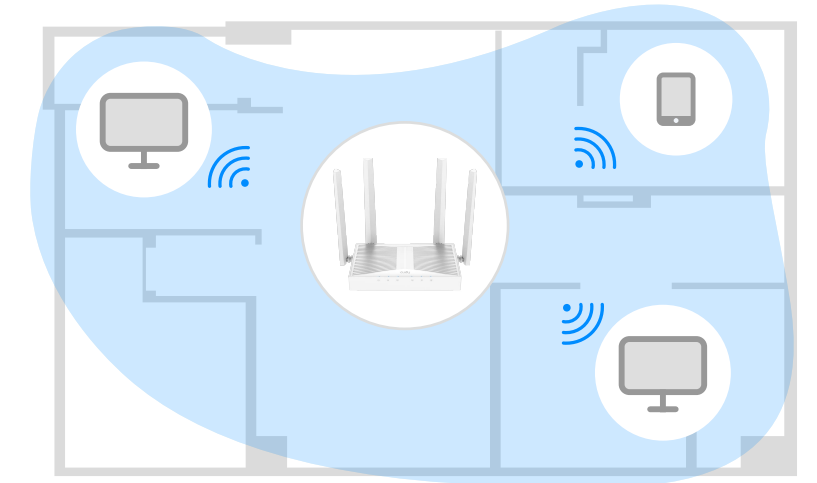




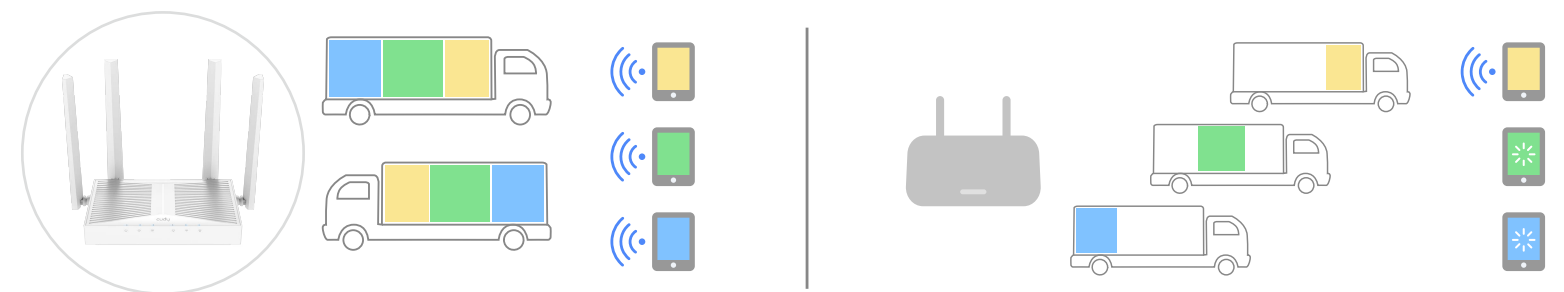
Up to 3.0Gbps Wi-Fi 6 Speed: Enjoy smooth streaming, downloading, and gaming with extremely fast Wi-Fi 6 Speed.

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
- 5× 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
Flash	128 MB nand flash
DDR	256 MB
Antennas	4× Fixed Omni-Directional Antennas
Ethernet Ports	1× 10/100/1000 Mbps WAN Port 4× 10/100/1000 Mbps LAN Ports
Buttons	WPS Button, Reset Button
LED	Power / Internet / 2.4G / 5G / WPS / RJ45 (1~5)
Power Supply	12 V / 1A
Dimensions (W×D×H)	183.3×109×38 mm (7.22×4.29×1.5 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 / Zerotier / IPSec
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

CE DECLARATION OF CONFORMITY

For the following equipment:

Product Name: AX3000 Gigabit Mesh Wi-Fi 6 Router

Model Number: WR3000E

Trademark: Cudy

We declare under our own responsibility that the above product satisfies all the technical regulations applicable to the product within the scope of Council Directives:

Directive 2014/30/EU, Directive 2014/35/EU, Directive 2011/65/EU, Directive (EU) 2015/863

The above product is in conformity with the following standards or other normative documents:

EN 55032:2015+A1:2020

EN IEC 61000-3-2:2019+A1:2021

EN 61000-3-3:2013+A2:2021

EN 55035:2017+A11:2020

EN IEC 62368-1:2020+A11:2020

ETSI EN 301 489-1 V2.2.3 (2019-11)

ETSI EN 301 489-3 V2.3.2 (2023-01)

ETSI EN 301 489-17 V3.2.4 (2020-09)

ETSI EN 300 328 V2.2.2 (2019-07)

ETSI EN 301 893 V2.1.1 (2017-05)

EN 50385:2017

EN IEC 62311:2020

EN 62232:2017

IEC 62321-2:2013, IEC 62321-5: 2013

IEC 62321-7-1:2015, IEC 62321-3-1:2013

IEC 62321-6:2015, IEC 62321-7-2:2017

IEC 62321-8:2017

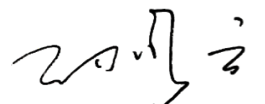
Person responsible for making this declaration:

Sun Qiaoyun

Regulatory Compliance Manager

Place of issue: Shenzhen, China

Date of issue: 2024-11-11



ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ

Για τον ακόλουθο εξοπλισμό:

Όνομα Προϊόντος: AX3000 Gigabit Mesh Wi-Fi 6 Router

Αριθμός Μοντέλου: WR3000E

Εμπορικό Σήμα: Cudy

Διακηρύσσουμε με κάθε ευθύνη ότι το παραπάνω προϊόν συμμορφώνεται με όλους τους τεχνικούς κανονισμούς που ισχύουν για το προϊόν, εντός του αντικειμένου των Κοινοτικών Οδηγιών:

Οδηγία 2014/30/EE, Οδηγία 2014/35/EE, Οδηγία 2011/65/EE, Οδηγία (EE) 2015/863

Το παραπάνω προϊόν βρίσκεται σε συμμόρφωση με τα ακόλουθα πρότυπα ή άλλα έγγραφα συμμόρφωσης

EN 55032:2015+A1:2020

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IEC 62321-6:2015, IEC 62321-7-2:2017

IEC 62321-8:2017

Υπεύθυνος για τη δήλωση αυτή:

Sun Qiaoyun

Διευθυντής κανονιστικής συμμόρφωσης

Τόπος έκδοσης: Shenzhen, Κίνα

Ημερομηνία έκδοσης: 2024-11-11

