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Model: **M1800**

AX1800

Whole Home Mesh WiFi System

- Enhanced Whole Home Coverage
- Seamless Roaming
- Up to 1.8Gbps Wi-Fi 6 Speed
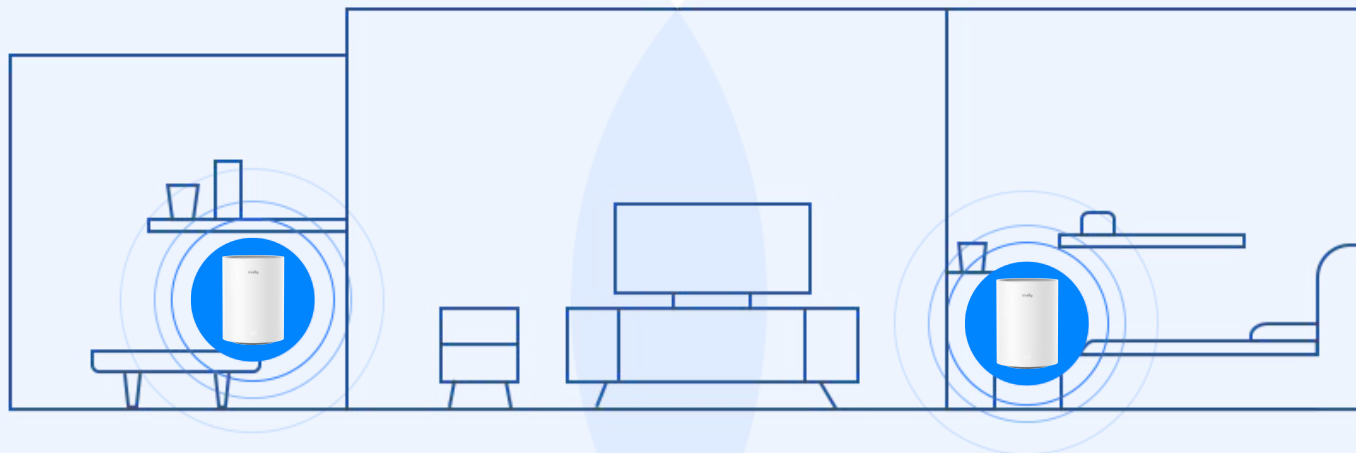- PPTP/L2TP VPN Client
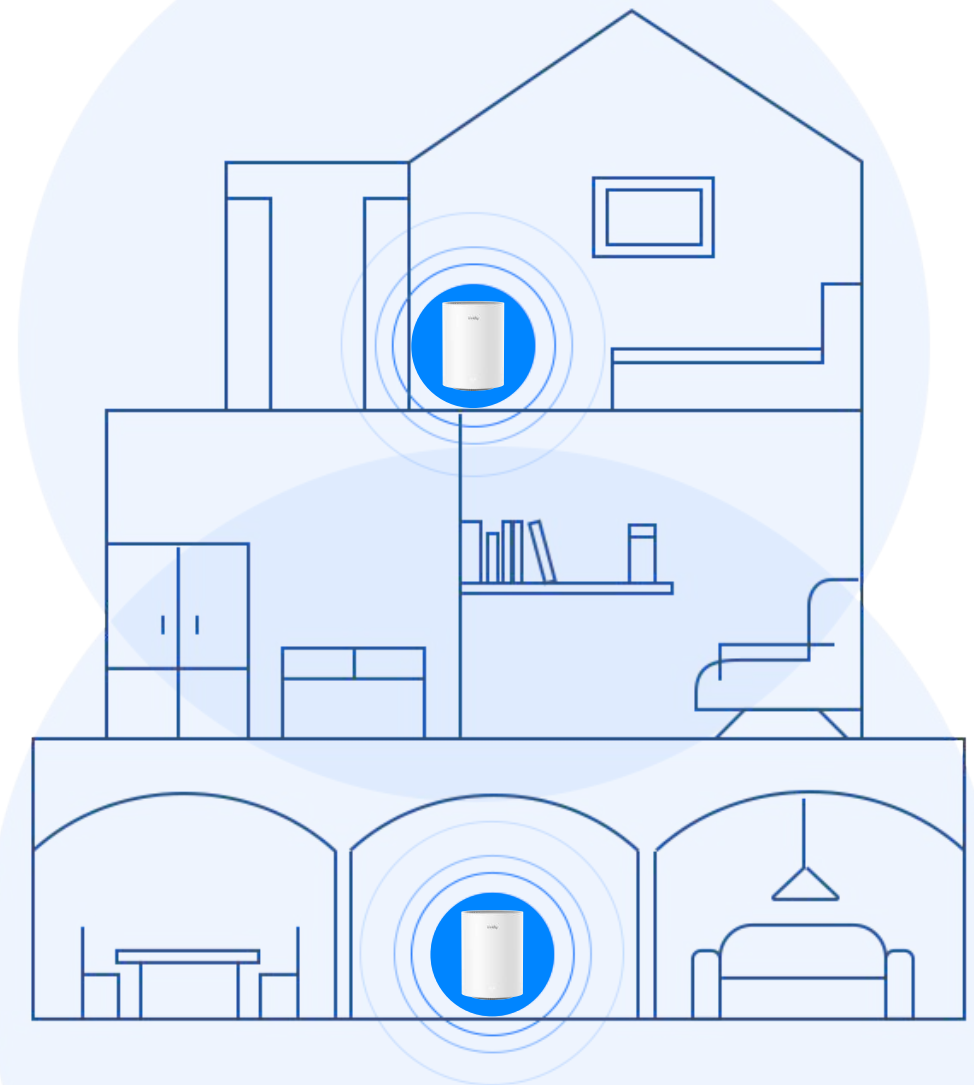- Latest and cutting-edge WPA3 Security
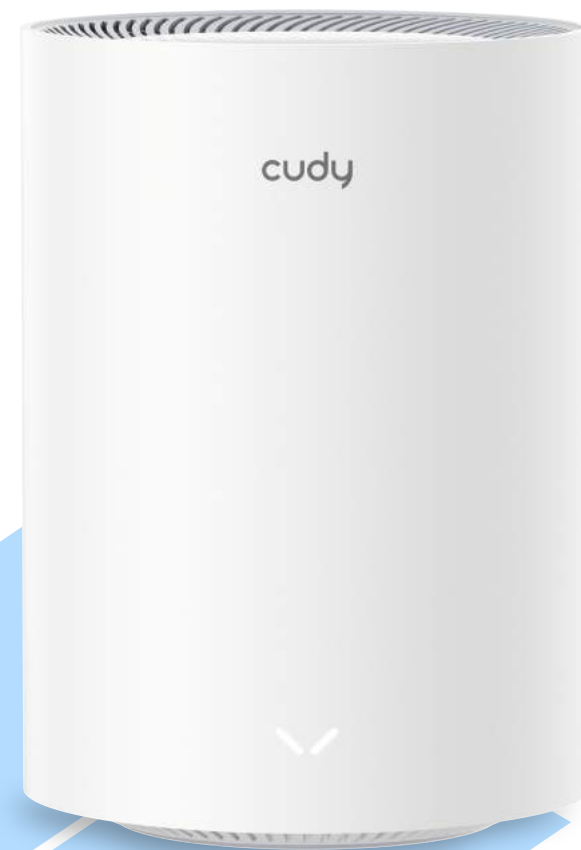
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Whole Home Mesh， Dead Zone Killer

With Cudy Mesh Wi-Fi 6 System, you'll enjoy advanced whole home WiFi designed to deliver smooth video streaming and fast online gaming to more devices at the same time. Experience the next generation of WiFi 6, perfect for medium to large homes up to 4,000 sq.ft. Want more coverage? Simply add another one.
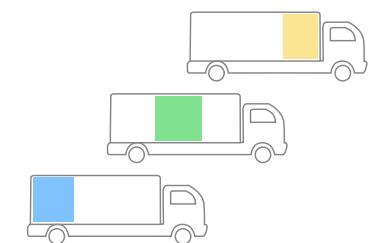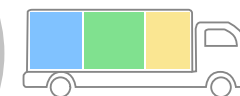
Apartment

Multi-Story Home

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Features

1201 Mbps (5 GHz)

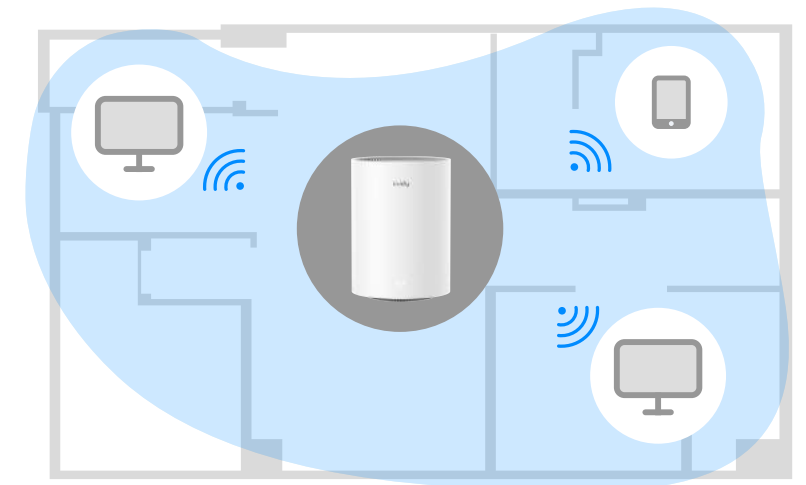**574 Mbps (2.4 GHz)**

Up to 1.8Gbps Wi-Fi 6
Speed: Enjoy smooth
streaming, downloading,
and gaming with extremely
fast Wi-Fi 6 Speed.

Extensive Coverage: Beamforming,
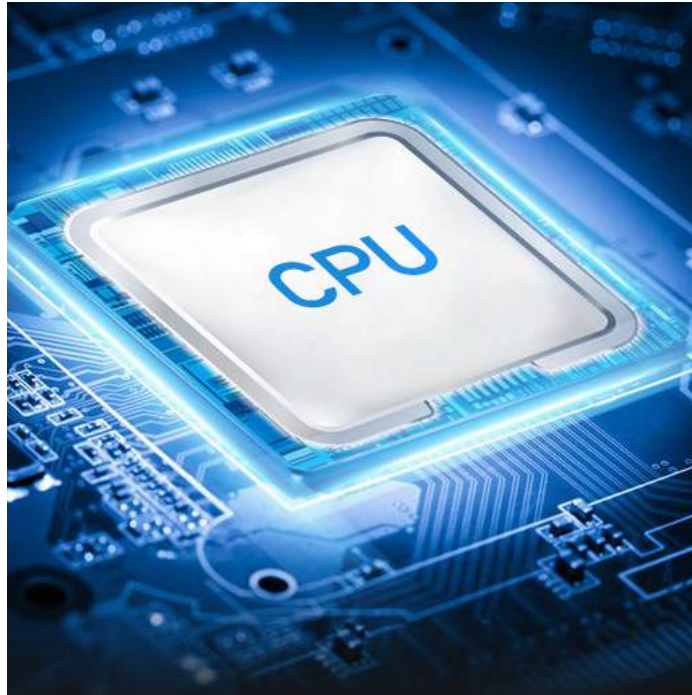and four antennas combine to deliver
focused reception to devices far away.

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.

Hardware

Powerful Dual-Core Processor

Powerful Dual-Core CPU ensures smooth 4K UHD streaming to Smart TVs, mobile devices and gaming consoles without buffering.

256Mbit Flash

+

2Gbit DDR

256Mbit Flash + 2Gbit DDR

256Mbit flash design makes the router stable and reliable , ensuring the continuous operation of the system, and provides more space for the file system.

Built-in 2Gbit DDR makes the product run faster and provides more possibilities for function expansion.

Gigabit Ports

Featured with 10/100/1000Mbps ports, greatly expands your network capacity, enabling instant large files transferring.

Software

VPN

With built-in VPN, this router can easily establish a connection to VPN Server to transport all your online data and traffic, securing it with its encryption at the same time.

DDNS

By assigning a custom domain name to your home router's IP address, DDNS function will update automatically as your home IP continues to change. Compatible with 15 more DDNS providers.

WPA3

The latest and cutting-edge Wi-Fi security protocol— WPA3 provides more secure and individualized encryption in personal password safety, protecting your network from wireless hacking.

Guest Network

Guest Network separate guest access from your family network. Maintain high security across your network to help ensure your privacy is safe while online.

Specifications

- Up to 1.8Gbps Wi-Fi 6 Speed: Enjoy smooth streaming, downloading, and gaming with extremely fast Wi-Fi 6 Speed.

- Powerful Dual-Core Processor: Powerful Dual-Core CPU ensures smooth 4K UHD streaming to Smart TVs, mobile devices and gaming consoles without buffering.

- Improved Capacity: Wi-Fi 6 uses OFDMA to improve capacity and efficiency of your network, so more devices can connect without slowing down your Wi-Fi.

- Extensive Coverage: Beamforming, independent FEM, and four antennas combine to deliver focused reception to devices far away.

- Pre-installed VPN. With built-in VPN, this router can easily establish a connection to VPN Server to transport all your online data and traffic, securing it with its encryption at the same time.

- Dynamic DNS: DDNS function solves the issue of changing residential IP addresses. By assigning a custom domain name to your home router's IP address, DDNS function will update automatically as your home IP continues to change. Compatible with 15 more DDNS providers.

- WPA3 Security: the latest and cutting-edge Wi-Fi security protocol—WPA3 provides more secure and individualized encryption in personal password safety, protecting your network from wireless hacking.

- Works with Existing Wi-Fi Devices: Backward compatible with Wi-Fi 5 (802.11ac) and earlier generation WiFi standards.

Hardware Features

Processor	Dual-Core Processors
Flash	256Mbit (32MB)
DDR	2Gbit (256MB)
Antenna	4× Internal Omni-Directional Antennas
Interface	1× 1000/100/10 Mbps WAN Port
	1× 1000/100/10 Mbps LAN Ports
Button	Pair Button, Reset Button
External Power Supply	12 V / 1.5 A

Wireless Features

Wireless Standards	IEEE 802.11ax/ac/n/a 5 GHz
	IEEE 802.11ax/n/b/g 2.4 GHz
Frequency	5 GHz, 2.4 GHz
Signal Rate	1201 Mbps (5 GHz), 574 Mbps (2.4 GHz)
	Compatible with 802.11a/b/g/n/ac/ax Wi-Fi standards
Transmit Power	CE: <20dBm(2.4 GHz), <23dBm(5.15 GHz~5.25 GHz)
	FCC:<30dBm(2.4 GHz & 5.15 GHz~5.825 GHz)
Wireless Modes	Enable/Disable Wireless Radio, WMM
	WEP, WPA/WPA2,
Wireless Functions	WPA-PSK/WPA2-PSK, WPA3

Software Features

WAN Type	Dynamic IP/Static IP/PPPoE
Management	Parental Control
	Guest Network
DHCP	Server, DHCP Client List, Address Reservation
Dynamic DNS	Compatible with 15 more DDNS providers.
Guest Network	2.4 GHz guest network × 1
	5 GHz guest network × 1
NAT	Port Forwarding, Port Triggering, UPnP, DMZ
VPN Client	PPTP/L2TP/OpenVPN/WireGuard

Others

Package Contents	2-Pack AX1800 Wi-Fi6 Mesh Router
	Power Adapter
	RJ45 Ethernet Cable
	Quick Installation Guide
System Requirements	Microsoft Windows 98SE/NT/2000/XP/Vista™/7/8/8.1/10, MAC OS,
	NetWare, UNIX or Linux
	Internet Explorer 11, Firefox 12.0, Chrome 20.0, Safari 4.0, or other
	Java-enabled browser
	Cable or DSL Modem
	Subscription with an internet service provider (for internet access)