Model: M1300 3.0, M1300 (1-Pack) 3.1

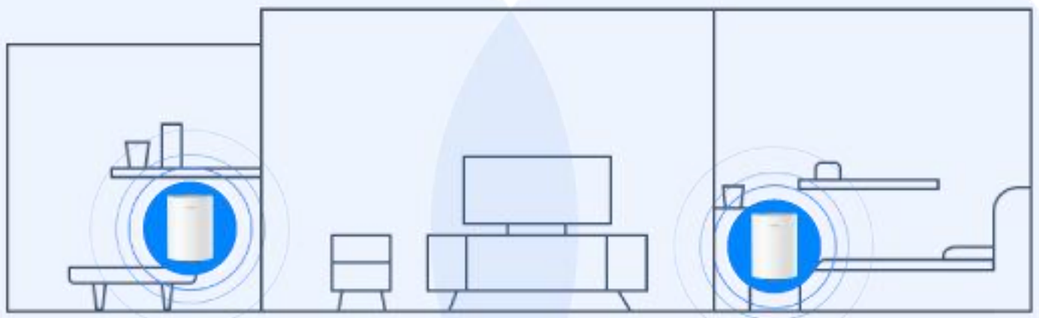
AC1200 Gigabit Mesh Wi-Fi System

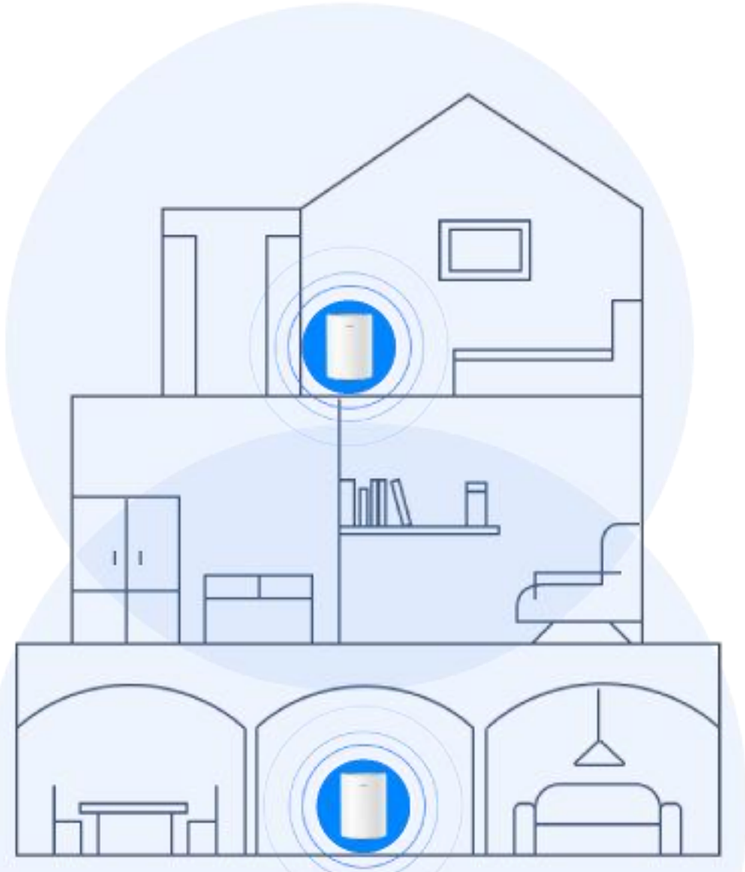


Datasheet

Whole Home Mesh, Dead Zone Killer

With stronger and more efficient signals enhanced by Cudy Whole Home Mesh technology, M1300 boosts broader whole home Wi-Fi coverage with great performance. Wireless connections and optional Ethernet backhaul work together to link mesh units, providing even faster network speeds and truly seamless coverage. Want more coverage? Simply add another one.







Up to 1.2Gbps Wi-Fi Speed: Enjoy smooth streaming, downloading, and gaming with extremely fast Wi-Fi Speed.

Features



Hardware





Powerful Dual-Core Processor

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

128 Mbit Flash

+

1 Gbit DDR

128 Mbit Flash + 1 Gbit DDR

128 Mbit 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 1Gbit 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 transfering.

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.



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.

Highlights

A mesh Wi-Fi system ideal for large homes with 4K streaming and gaming demands, Installation is easy—set up one unit and auto-sync the rest.

- 4-Stream Dual-Band Wi-Fi 5
- 867 Mbps + 300 Mbps Wi-Fi
- 2× Gigabit Ethernet Ports
- Fast Roaming
- MU-MIMO, Beamforming
- Cudy Mesh, VPN Server and Client
- Multi-Band Simultaneous Backhaul
- Cudy App, Cloud Control

Actual wireless data throughput will vary as a result of network conditions, client limitations, and environmental factors including building layout, obstacles, and client location.

Use of MU-MIMO requires the client devices to also support MU-MIMO.

Package Content

- M1300
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Specs

Model Version	M1300 3.0, M1300 (1-Pack) 3.1	
CPU	CPU Details	880 MHz Dual-Core, MIPS1004Kc
Memory/Storage	Flash/ROM	16 MB (128 Mbit) NOR
	DDR/RAM	128 MB (1 Gbit) DDR3
Wireless	5 GHz Wi-Fi Speed	867 Mbps
	2.4 GHz Wi-Fi Speed	300 Mbps
	Wi-Fi Antennas	4× Internal
	FEM or PA/LNA	5 GHz: 2× Internal, 2.4 GHz: 2× Internal
	Indoor Coverage Reference	2 Pack: 160 m² (1700 sq ft) 3 Pack: 220 m² (2400 sq ft) Applied to wireless backhaul situation. Place in the center of each floor, with a maximum of two obstacles to each room.

Wireless	Beamforming	True
	Range Performance	Max: 170 m (558 ft) Tested in open-space environments with minimal interference. Actual WiFi range may vary depending on layout and wall materials. Refer to the Wall Performance specifications for placement suggestions.
	Wall Performance	Two wooden walls with thickness < 10 cm (4") One concrete wall with thickness < 20 cm (7")
	5 GHz Wi-Fi Streams	2 Spatial Streams
	2.4 GHz Wi-Fi Streams	2 Spatial Streams
Interfaces	Gigabit RJ45 Ports	2
	Ethernet Notes	Port 1 is the WAN port by default. All ports are LAN ports in Mesh satellite mode

Hardware Specs

Buttons and LEDs	Physical Buttons	WPS Button, Reset Button
	LED	System, Speed/Link/ACT of Ethernet Port
Power	Power Adapter In the Box	Input: 100-240V~, 50/60Hz Output: 12V⎓ 1A
	Power Input Type	DC Jack
	Power Methods	DC
	Power Input	12V⎓ 1A
Reliability	Environment	• Operating Temperature: 0 ℃ ~ 40 ℃ (32 ℉ ~104 ℉) • Storage Temperature: -40 ℃ ~ 70 ℃ (-40 ℉ ~ 158 ℉) • Humidity: 10% ~ 90% non-condensing • Storage Humidity: 5% ~ 95% non-condensing
Mechanical	Dimension	Φ110×154.5 mm Φ4.33×6.08 inches

Mechanical	Product Weight	• 1-Pack | vx.0 | EU: 291.2 g (10.27 oz.) • 2-Pack | EU: 586.5 g (20.69 oz.) • 1-Pack | vx.1 | EU: 287.9 g (10.16 oz.)
	Installation	Desktop
Certifications	FCC, CE	
Package Content	• M1300 • Power Adapter • Ethernet Cable • Installation Guide	
Ordering Information	Carton Net Weight	• 1-Pack | vx.0 | EU: 10.8 kg (23.81 lbs) • 3-Pack | EU: 6.74 kg (14.86 lbs) • 2-Pack | EU: 9.9 kg (21.83 lbs) • 1-Pack | vx.1 | EU: 10.5 kg (23.15 lbs)

Hardware Specs

Ordering Information	Carton Gross Weight	• 1-Pack | vx.0 | EU: 12.2 kg (26.9 lbs) • 3-Pack | EU: 7.6 kg (16.76 lbs) • 2-Pack | EU: 11.2 kg (24.69 lbs) • 1-Pack | vx.1 | EU: 11.8 kg (26.01 lbs)
	Units per Carton	• 1-Pack: 16 • 2-Pack: 8 • 3-Pack: 4
	Carton Dimension	• 1-Pack: 57×56×26 cm 22.44×22.05×10.24 inches • 2-Pack: 53.6×40×28.7 cm 21.1×15.75×11.3 inches • 3-Pack: 55×54.5×35.3 cm 21.65×21.46×13.9 inches
	Retail Package Dimension	• 1-Pack: 145×130×265 mm 5.71×5.12×10.43 inches • 2-Pack: 330×130×265 mm 12.99×5.12×10.43 inches • 3-Pack: 380×130×265 mm 14.96×5.12×10.43 inches

Ordering Information	Retail Package Weight	• 1-Pack | vx.0 | EU: 675.6 g (23.83 oz.) • 3-Pack | EU: 1677.9 g (59.19 oz.) • 2-Pack | EU: 1234.4 g (43.54 oz.) • 1-Pack | vx.1 | EU: 654.1 g (23.07 oz.)

Software Specs

Model Version	M1300 3.0, M1300 (1-Pack) 3.1	
Wireless	Wi-Fi Standards	Wi-Fi 5
	Max Wi-Fi Modulation	256-QAM
	Wi-Fi Efficiency	MU-MIMO
	Wi-Fi Efficiency Note	MU-MIMO available on 5 GHz
	Max Capacity	128
	Recommended Client Upper Limit	50
	Wi-Fi Channel Width	Auto/20/40/80 MHz
	Wi-Fi Security	WPA/WPA2/WPA3
	Guest Network	2.4 GHz, 5 GHz
	Separate Client	True
	WPS	True

General	Operation Modes	• Wi-Fi Router • Access Point • Range Extender • WISP • Client
	Mesh	Cudy Mesh
	Mesh Backhaul	• Wireless Backhaul • Wired Backhaul
	Multi-Band Backhaul	True
	WAN Mode	• DHCP • Static IP • PPPOE • PPTP • L2TP
Network	QoS	• Per-User Rate Limiting • Guest Network Rate LImiting
	DHCP	• Address Reservation • DHCP Client List • Server
	IP Versions	IPv4/IPv6

Software Specs

Network	IPv6 Protocols	• Relay • Dynamic (SLAAC/DHCPv6) • Static (Fixed IP) • Passthrough • 464XLAT • MAP-E • DS-Lite
	Multicast	True
	IPTV/VLAN	• Bridge • Tag VLAN • VoIP VLAN • IPTV VLAN
	TTL Customization	• Extend • Spoof • Custom
	IGMP	• IGMP Proxy • IGMP Snooping
	Forwarding	• Port Forwarding • Port Triggering • UPnP • DMZ

Network	Firewall	• SPI Firewall • DoS Protection • Block PING
	Application Layer Gateway	• IPSec Passthrough • L2TP Passthrough • PPTP Passthrough • FTP Passthrough • TFTP Passthrough • H323 Passthrough • SIP Passthrough • RTSP Passthrough
Utilities	VPN Server	• WireGuard • OpenVPN • IPsec • Zerotier • PPTP • L2TP
	VPN Client	• WireGuard • OpenVPN • IPsec • Zerotier • PPTP • L2TP

Software Specs

Utilities	VPN Performance	• OpenVPN Client (UL/DL): 22 / 24.7 Mbps • OpenVPN Server (UL/DL): 22 / 20.9 Mbps • WireGuard Client (UL/DL): 142 / 233.9 Mbps • WireGuard Server (UL/DL): 213 / 152 Mbps
	DNS Options	• DNS over TLS • Manual DNS • Rebind Protection • Override Clients' DNS
	DNS over TLS Providers	• Cloudflare • Google • Quad9 • Custom
	Wake on LAN	True
	Online Detection	True
	Max Concurrent VPN Tunnels	• IPSec: 20 • PPTP/L2TP: 16 • OpenVPN: 16

Management	Parental Controls	• Profiles Settings • Offline Time • Online Time • Pause the Internet • Web Filter
	All Devices Management	• Wi-Fi Time Schedule • MAC Filter • IP/MAC Binding
	Per-Devices Management	• Internet On/Off • VPN On/Off • Online Time Schedule • Device Rename
	Content Management	• Domain Filtering • IP Filtering
System	LED Control	True
	Local Control Method	• Config Web Page • App Control
	Remote Control Method	• Config Page via HTTPS • App Control • TR069/TR098/TR111/TR143/TR181/TR369

Software Specs

System	Firmware Upgrade	• Local Update • App (Over the Air) • Online Update
	Reliability	• Timed Reboot • Backup and Restore
	Diagnostic Tools	• Diagnosis • Ping • Traceroute • NSLookup • System Log

System	Languages	• English • Bengali • Catalan • Czech • German • Greek • Spanish • French • Hebrew • Croatian • Hungarian • Italian • Japanese • Khmer • Korean • Dutch • Norwegian • Polish • Portuguese • Romanian • Russian • Slovak • Swedish • Thai • Turkish • Ukrainian • Vietnamese • Simplified Chinese • Traditional Chinese

Software Specs

Dashboard	Panel	• Internet Status • Mesh Status • Devices Management • WAN Status • LAN Status • WISP Status • Wi-Fi Status • VPN Status • DHCP Server Status • System Version
	Charts	• Mesh Topology • Internet Speed • WISP Speed • Wi-Fi Speed