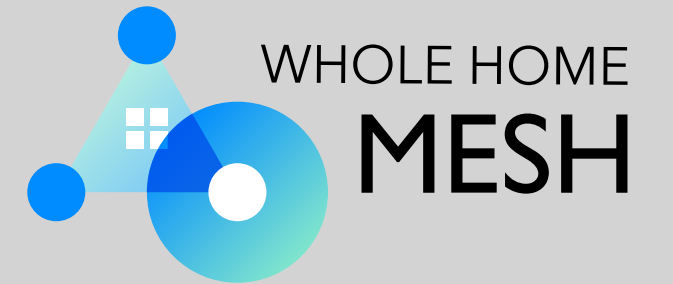


cudy



Model: M1300

AC1200

Gigabit Whole Home
Mesh Wi-Fi System

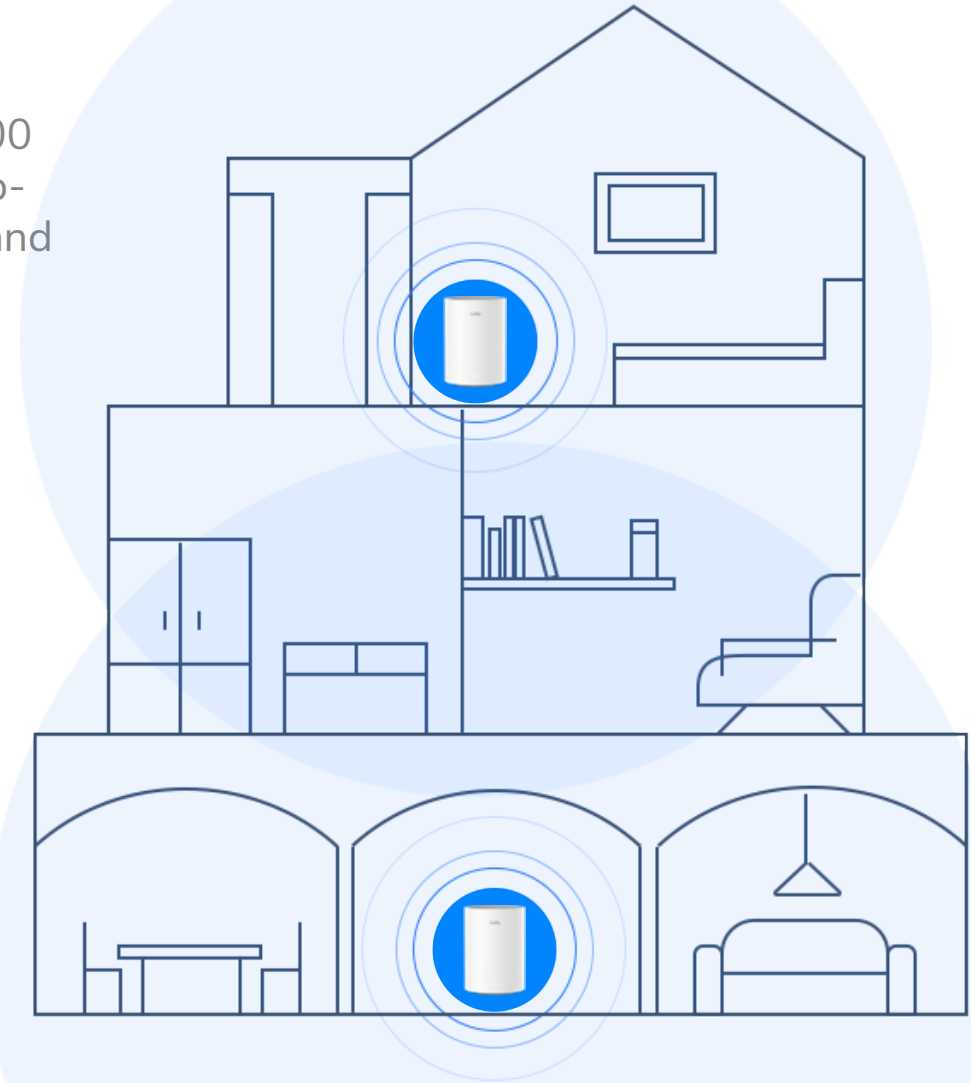
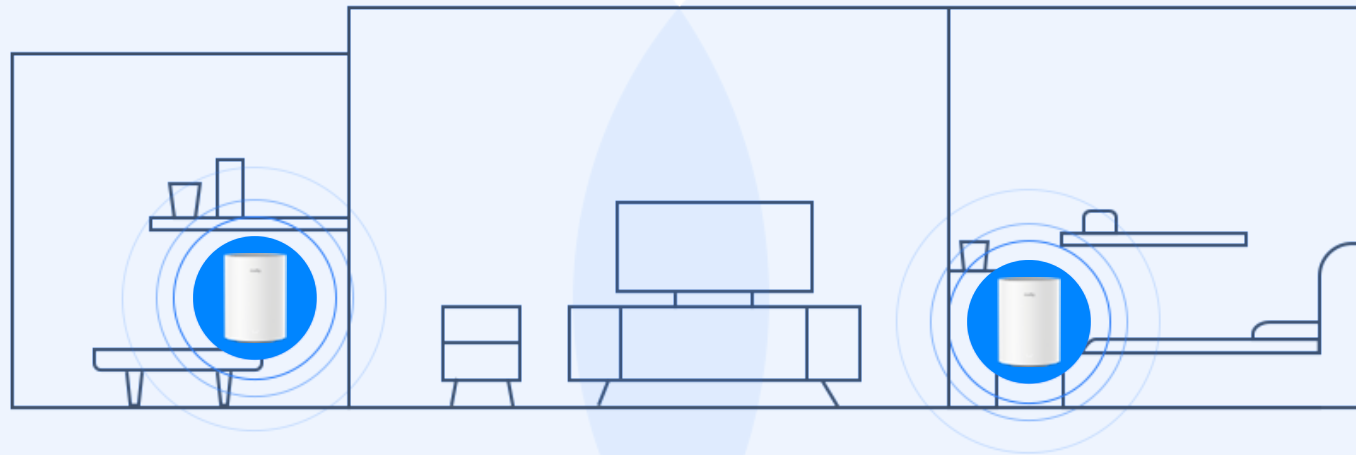
-  Enhanced Whole Home Coverage
-  Seamless Roaming
-  Up to 1.2 Gbps Wi-Fi Speed
-  Powerful Dual-Core Processor
-  VPN Server and VPN Client

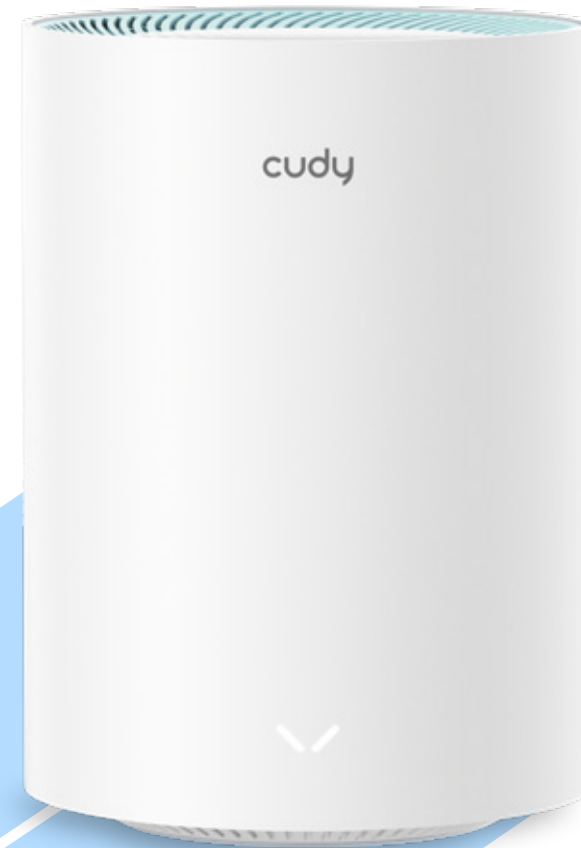
[Datasheet](#)



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.

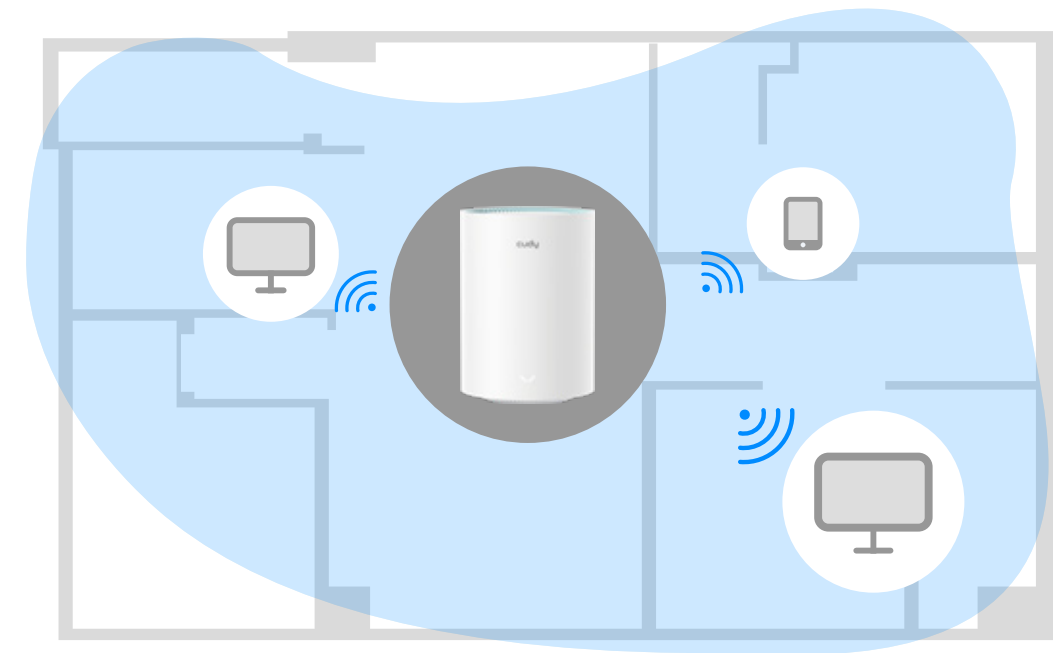




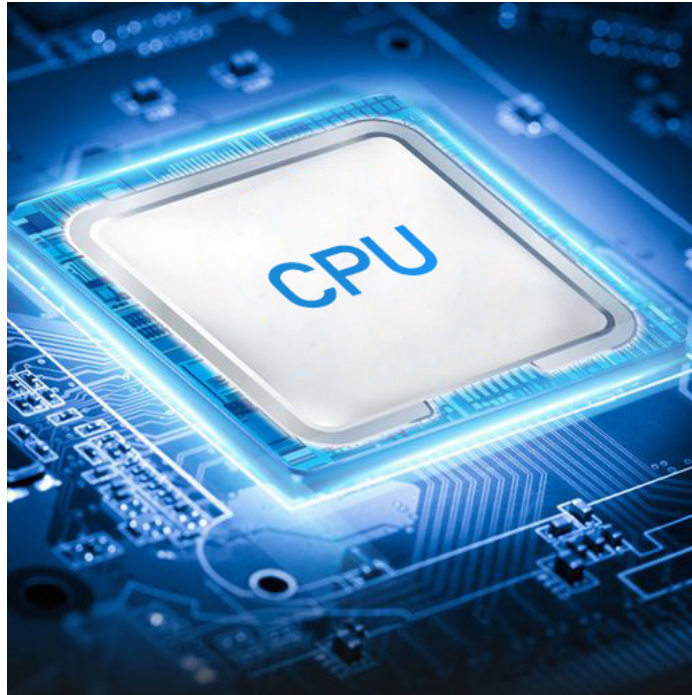
867 Mbps (5 GHz)
300 Mbps (2.4 GHz)

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 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.



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 WiFi 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

Package Content

- M1300
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Features

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
	5 GHz Wi-Fi Streams	2T2R (2×2 MIMO)
	2.4 GHz Wi-Fi Streams	2T2R (2×2 MIMO)
	Wi-Fi Antennas	4× Internal
	5 GHz Antenna Gain Max	6.04dBi
	2.4 GHz Antenna Gain Max	4.22dBi
	FEM or PA/LNA	5 GHz: 2× Internal
		2.4 GHz: 2× Internal
	Beamforming	True
	Range Performance	Max: 170 m (558 ft)
		Indoor WiFi range varies depending on the layout and wall materials. See Wall Performance spec for placement suggestions.
Wall Performance	Two wooden walls with thickness < 10 cm (4")	
	One concrete wall with thickness < 20 cm (7")	
Indoor Coverage Reference	2 Pack: 160 m² (1700 sq ft)	
	3 Pack: 220 m² (2300 sq ft)	
	Applied to wireless backhaul situation.	
	Place in the center of each floor, with a maximum of two obstacles to each room.	



Hardware Features

Interfaces	Gigabit RJ45 Ports	2
	Ethernet Notes	Port 1 is the WAN port by default. All ports are LAN ports in Mesh satellite mode
	LED	System
		Speed/Link/ACT of Ethernet Port
	Physical Buttons	WPS Button
		Reset Button
Power Input	DC Jack	
Power	Power Methods	DC
	DC	12V 1A
	Power Adapter	Input: 100 ~ 240 V, 50/60 Hz AC
		Output: 12V 1A DC
Reliability	Environment	Operating Temperature: 0 °C ~ 40 °C (32 °F ~104 °F)
		Storage Temperature: -40 °C ~ 70 °C (-40 °F ~ 158 °F)
		Humidity: 10% ~ 90% non-condensing
		Storage Humidity: 5% ~ 95% non-condensing
Certifications	FCC, CE	
Mechanical	Installation	Desktop
	Dimension	Φ110×154.5 mm
		Φ4.33×6.08 inches
	Product Weight	298 g (10.51 oz.)

Ordering Information	Retail Package Weight	1-Pack EU: 672 g (23.7 oz.)
		1-Pack US: 628 g (22.15 oz.)
		2-Pack EU: 1188 g (41.91 oz.)
		2-Pack US: 1158 g (40.85 oz.)
		3-Pack EU: 1674 g (59.05 oz.)
	3-Pack US: 1650 g (58.2 oz.)	
	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		
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: 55×54.5×35.3 cm	
	21.65×21.46×13.9 inches	
	3-Pack: 53.6×40×28.7 cm	
	21.1×15.75×11.3 inches	



Hardware Features

Ordering Information	Carton Gross Weight	1-Pack EU: 12.1 kg (26.68 lbs)
		1-Pack US: 11.4 kg (25.13 lbs)
		2-Pack EU: 11.1 kg (24.47 lbs)
		2-Pack US: 10.9 kg (24.03 lbs)
		3-Pack EU: 7.7 kg (16.98 lbs)
		3-Pack US: 7.6 kg (16.76 lbs)
	Carton Net Weight	1-Pack EU: 10.8 kg (23.81 lbs)
		1-Pack US: 10.0 kg (22.05 lbs)
		2-Pack EU: 9.5 kg (20.94 lbs)
		2-Pack US: 9.3 kg (20.5 lbs)
		3-Pack EU: 6.7 kg (14.77 lbs)
		3-Pack US: 6.5 kg (14.33 lbs)

Software Features

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
	Max Wi-Fi Channel Width	80 MHz
	Wi-Fi Security	WPA/WPA2/WPA3
	Guest Network	2.4 GHz, 5 GHz
	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



Software Features

General	Internet Failover Sequence	WAN
		WISP
Network	QoS	Per-User Rate Limiting
		Address Reservation
	DHCP	DHCP Client List
		Server
	IP Versions	IPv4/IPv6
	IPv6 Protocols	Relay
		Dynamic (SLAAC/DHCPv6)
		Static (Fixed IP)
		Passthrough
		464XLAT
		MAP-E
		DS-Lite
	IPTV/VLAN	Bridge
		Tag VLAN
		VoIP VLAN
		IPTV VLAN
	TTL Customization	Extend
		Spoof
		Custom

Network	IGMP	IGMP Proxy
		IGMP Snooping
	Forwarding	Port Forwarding
		Port Triggering
		UPnP
		DMZ
	Firewall	SPI Firewall
		DoS Protection
		Block PING
	Application Layer Gateway	IPSec Passthrough
		L2TP Passthrough
		PPTP Passthrough
		FTP Passthrough
		TFTP Passthrough
		H323 Passthrough
		SIP Passthrough
Utilities	VPN Server	RTSP Passthrough
		WireGuard
		OpenVPN
		IPsec
		Zerotier
		PPTP
		L2TP



Software Features

Utilities	VPN Client	WireGuard
		OpenVPN
		IPsec
		Zerotier
		PPTP
		L2TP
	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

General	Max Concurrent Sessions	25000
Management	All Devices Management	Wi-Fi Time Schedule
		MAC Filter
		IP/MAC Binding
	Per-Devices Management	Internet On/Off
		VPN On/Off
		Online Time Schedule
	Content Management	Device Rename
		Domain Filter
		IP Filter
System	LED Control	True
	Local Control Method	Config Web Page
		App Control
	Remote Control Method	Config Page via HTTPS
		App Control
		TR069/TR098/TR111/TR181
	Firmware Upgrade	Local Update
		App (Over the Air)
		Online Update
	Reliability	Timed Reboot
		Backup and Restore



Software Features

System	Diagnostic Tools	Diagnosis
		Ping
		Traceroute
		NSLookup
		System Log
	Languages	• English • Bengali • Catalan • Czech • German
		• Greek • Spanish • French • Hebrew • Croatian
		• Hungarian • Italian • Japanese • Khmer • Korean
		• Dutch • Norwegian • Polish • Portuguese
		• Romanian • Russian • Slovak • Swedish
Dashboard	Panel	• Thai • Turkish • Ukrainian • Vietnamese
		• Simplified Chinese • Traditional Chinese
		Internet Status
		Mesh Status
		Devices Management
		WAN Status
		LAN Status
		WISP Status
		Wi-Fi Status
		VPN Status
		DHCP Server Status
		System Version

Dashboard	Charts	Mesh Topology
		Internet Speed
		WISP Speed
		Wi-Fi Speed