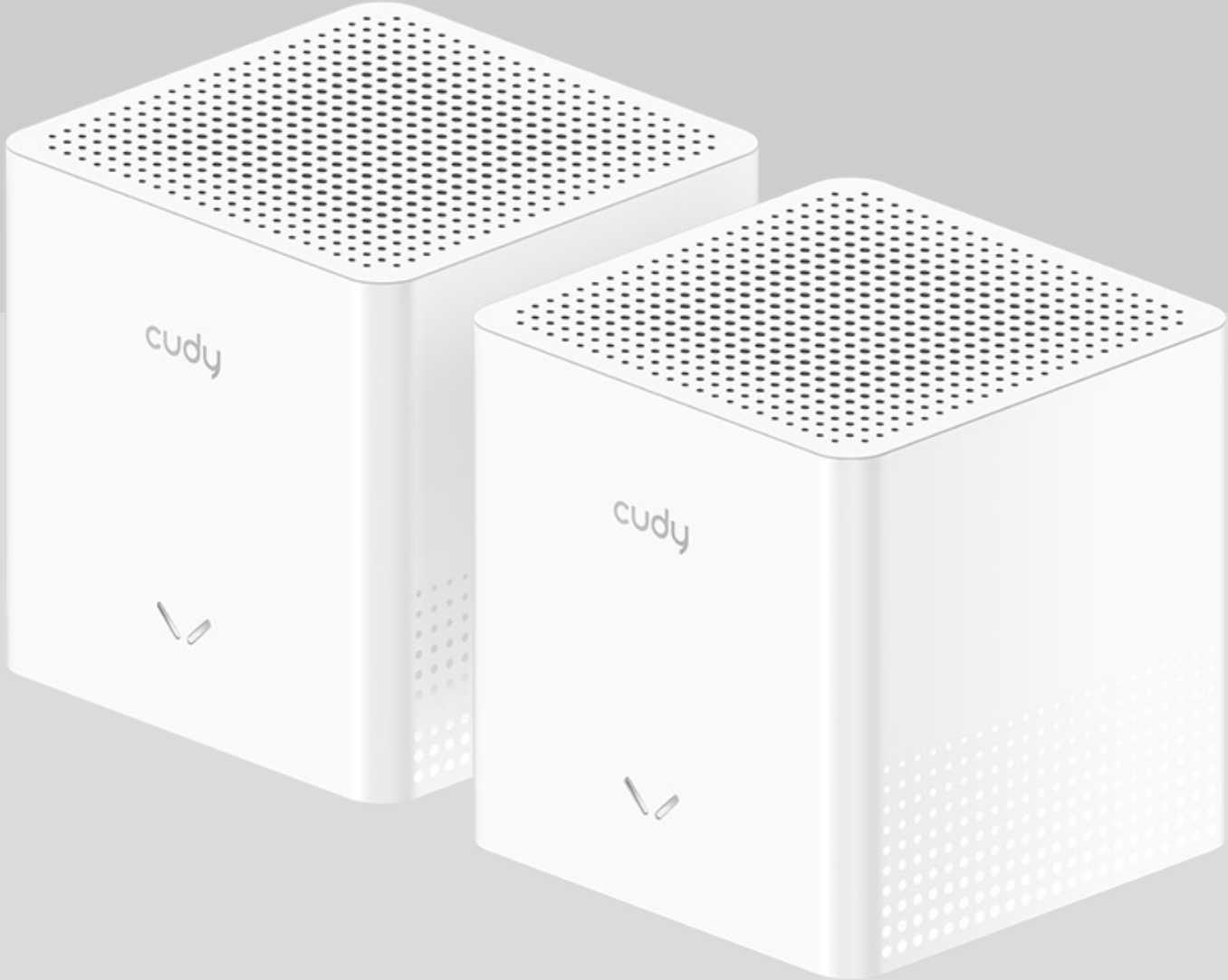
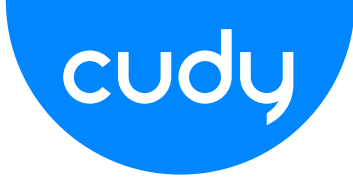


Model: M1200

AC1200 Mesh Wi-Fi System





Highlights

A mesh Wi-Fi system built to provide a reliable network for large homes, Installation is easy—set up one unit and auto-sync the rest. Suitable for 100 Mbps internet access.

- 4-Stream Dual-Band Wi-Fi 5
- 867 Mbps + 300 Mbps Wi-Fi ¹
- 2× Fast Ethernet Ports
- Fast Roaming
- MU-MIMO, Beamforming ²
- Cudy Mesh, VPN Server and Client
- Multi-Band Simultaneous Backhaul
- Cudy App, Cloud Control

Package Content

- M1200
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Specs

CPU	CPU Details	580 MHz Single-Core, MIPS24KEC
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	2 Spatial Streams
	2.4 GHz Wi-Fi Streams	2 Spatial Streams
	Wi-Fi Antennas	2× Internal
	FEM or PA/LNA	5 GHz: 2× Internal 2.4 GHz: 2× Internal
	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")
	Indoor Coverage Reference	2 Pack: 150 m ² (1600 sq ft) 3 Pack: 200 m ² (2100 sq ft) Applied to wireless backhaul situation. Place in the center of each floor, with a maximum of two obstacles to each room.

Hardware Specs

Interfaces	10/100 Mbps RJ45 Ports	2 (Auto WAN/LAN Port)
	LED	System
	Physical Buttons	WPS Button
		Reset Button
Power Interfaces	DC Jack	
Power	Power Methods	DC
	Power Input	12V $\overline{=}$ 1A
	Power Adapter In the Box	Input: 100-240V~, 50/60Hz Output: 12V $\overline{=}$ 1A
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	85x85x86.5 mm
		3.35x3.35x3.41 inches

Ordering Information	Retail Package Dimension	1-Pack: 94x90x147 mm 3.7x3.54x5.79 inches
		2-Pack: 184x143x90 mm 7.24x5.63x3.54 inches
		3-Pack: 274x143x90 mm 10.79x5.63x3.54 inches
	Units per Carton	1-Pack: 40 2-Pack: 20 3-Pack: 10
	Carton Dimension	1-Pack: 50x38.9x32.1 cm 19.69x15.31x12.64 inches 2-Pack: 47.8x39.1x31 cm 18.82x15.39x12.2 inches 3-Pack: 47.8x29.7x31 cm 18.82x11.69x12.2 inches

Software Specs

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*		

Network	QoS	Per-User Rate Limiting	
	DHCP	Address Reservation	
		DHCP Client List	
		Server	
		IP Versions	IPv4/IPv6
		IPv6 Protocols	Relay
	Dynamic (SLAAC/DHCPv6)		
	Static (Fixed IP)		
	Passthrough		
	464XLAT		
	IPTV/VLAN	MAP-E	
		DS-Lite	
		Bridge	
		Tag VLAN	
		VoIP VLAN	
	TTL Customization	IPTV VLAN	
		Extend	
		Spoof	
	IGMP	Custom	
		IGMP Proxy	
IGMP Snooping			
Forwarding	Port Forwarding		
	Port Triggering		
	UPnP		
	DMZ		



Software Specs

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 & VPN Client	WireGuard / OpenVPN
		IPsec / Zerotier
		PPTP / L2TP
	DNS Options	DNS over TLS
		Manual DNS
		Rebind Protection
	DNS over TLS Providers	Override Clients' DNS
Cloudflare / Google		
Wake on LAN	True	
Online Detection	True	

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 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		



Software Specs

System	Reliability	Timed Reboot
		Backup and Restore
	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	
	Thai	
	Turkish	
	Ukrainian	
	Vietnamese	
	Simplified Chinese	
	Traditional Chinese	

Dashboard	Panel	Internet Status
		Devices Management
		WAN Status
		LAN Status
		Wi-Fi Status
		VPN Status
		MeshStatus
		DHCP Server Status
		System Version
	Charts	Internet Speed
		Wi-Fi Speed

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

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

**L2TP and PPTP WAN modes will be supported via future firmware updates. See www.cudy.com/pages/download-center/m1200-2-0 for details.