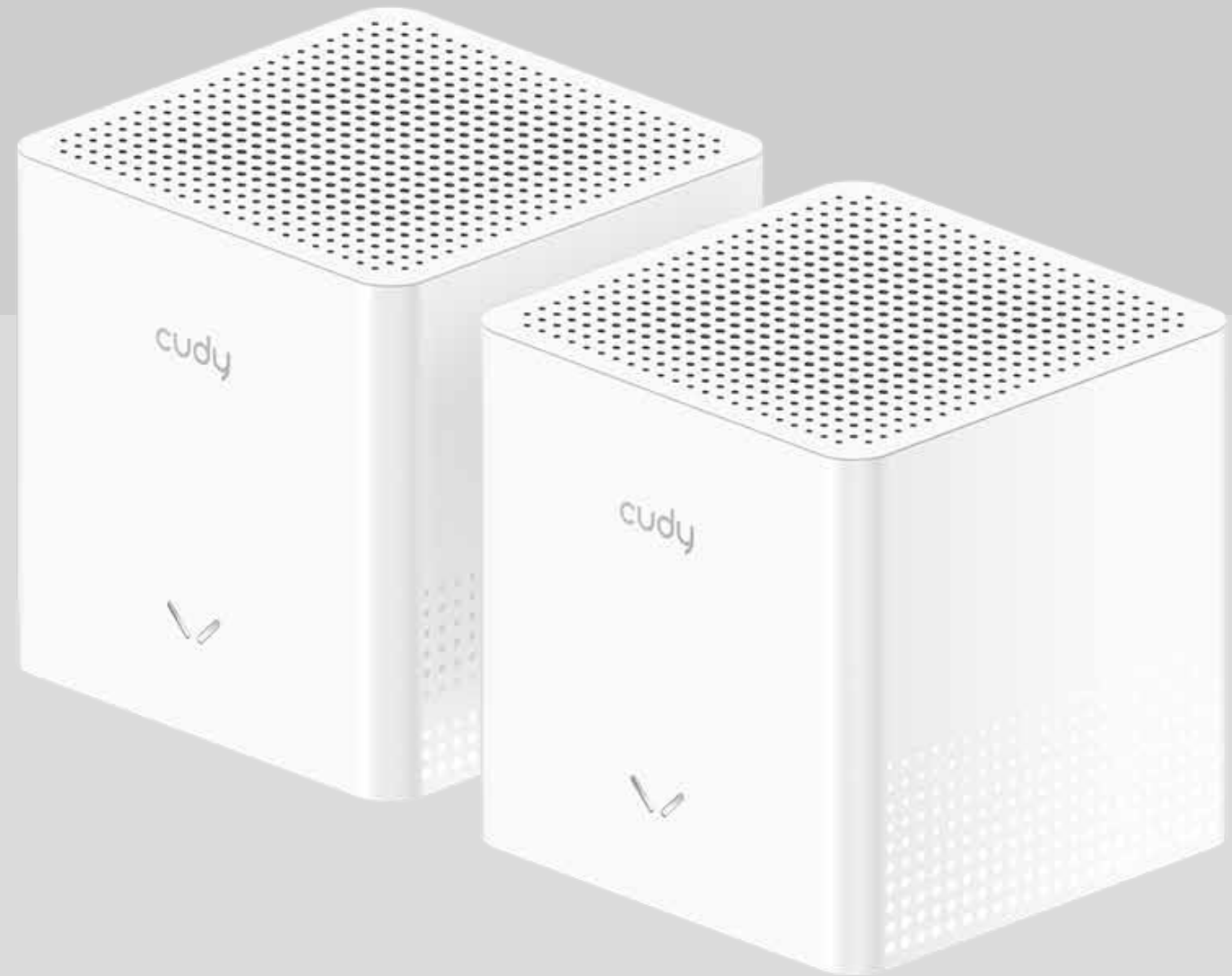


Model: M1300S

AC1200

Gigabit Mesh Wi-Fi System





Highlights

A mesh Wi-Fi system ideal for large homes with 4K streaming and gaming demands, Installation is easy—set up one unit and au-to-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

- M1300S
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Specs

CPU	CPU Details	1.2 GHz Dual-Core
Memory/Storage	Flash/ROM	32 MB (256 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: 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.



Hardware Specs

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
	Physical Buttons	WPS Button
		Reset Button
Power	Power Interfaces	DC Jack
	Power Methods	DC
	Power Input	12V $\overline{=}$ 1A
	Power Adapter In the Box	Input: 100-240V~, 50/60Hz
		Output: 12V $\overline{=}$ 1A
	Max Power Consumption (W)	11.8W
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	85×85×86.5 mm
		3.35×3.35×3.41 inches
	Product Weight	417.5 g (14.73 oz.)



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	Auto/20/40/80 MHz
	Wi-Fi Security	WPA/WPA2
	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	Guest Network Rate Llimiting
	DHCP	Address Reservation
		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
	IGMP	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
	IPsec		
	PPTP / L2TP		
	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		

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	
		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			

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.