cudy

Model: **AP1300E Wall**

AC1200

86mm Wall-Plate Wi-Fi Access Point

WHOLE HOME
MESH

Highlights

A compact wall-mounted WiFi AP with two Gigabit port ideal for single-room coverage in hospitality environments.

- 4-Stream Dual-Band Wi-Fi 5
- 867 Mbps + 300 Mbps Wi-Fi
- 1× GbE PoE In, 1× GbE
- 802.3at/af, Passive PoE
- Watchdog, Schedule Reboot
- Covers 50 m² (540 ft²)
- 40 Connected Devices

Package Content

- AP1300E Wall
- Installation Guide
- Mounting Kit

Hardware Specs

CPU	CPU Details	880 MHz Dual-Core CPU
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	4.5dBi
	2.4 GHz Antenna Gain Max	3.5dBi
	FEM or PA/LNA	5 GHz: 2× Internal
		2.4 GHz: 2× Internal
	Beamforming	True
	Range Performance	Max: 80 m (262 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'')
Interfaces	Gigabit RJ45 Ports	2

Hardware Specs

Interfaces	Ethernet Notes	Port 1 Accepts PoE powering
	LED	System
	Physical Buttons	Reset Button
		LED On/Off Button
		(Configurable to control LED and Wi-Fi)
	Power Input	PoE via Ethernet Port
Power	Power Methods	Passive PoE
		802.3at/af PoE
	Passive PoE	48V
	Max Power Consumption (W)	Max (PoE) : 10 W Max (DC): NA
	Idle Power Consumption (W)	4 W
Reliability	Advanced	Hardware Watchdog
	EMS	ESD: Contact: 4kV; Air: 8kV
	Environment	Operating Temperature:
		0 °C ~ 40 °C (32 °F ~104 °F)
		Storage Temperature:
		-40 °C ~ 70 °C (-40 °F ~ 158 °F)
		Operating Humidity:
		10% ~ 90% non-condensing
		Storage Humidity:
		5% ~ 90% non-condensing

Hardware Specs

Certifications	FCC, CE	
Mechanical	Installation	Wall-mount
	Dimension	86×86×43 mm
		3.39×3.39×1.69 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	40
	Max Wi-Fi Channel Width	80 MHz
	Wi-Fi Security	WPA/WPA2/WPA3
	Multi-SSID (Max Number)	8 SSIDs (Up to 4 SSIDs on each band)
General	Operation Modes	Access Point
	Mesh	Cudy Mesh
	Mesh Backhaul	Wireless Backhaul
		Wired Backhaul
	Multi-Band Backhaul	True

Software Specs

Network	DHCP	Server
	IP Versions	IPv4
	IGMP	IGMP Snooping
Utilities	Wake on LAN	True
Management	All Devices Management	Wi-Fi Time Schedule
System	LED Control	True
	Local Control Method	Config Web Page
		App Control
	Remote Control Method	Config Page via HTTPS
		App Control
	Firmware Upgrade	Local Update
		App (Over the Air)
		Online Update
	Reliability	Timed Reboot
		Backup and Restore
	Diagnostic Tools	Diagnosis
		Ping
		Traceroute
		NSLookup
		System Log

Software Specs

System	Languages	• English • Bengali • Catalan • Czech
		• German • Greek • Spanish • French
		• Hebrew • Italian • Croatian • Hungarian
		• Khmer • Korean • Dutch • Japanese
		• Russian • Slovak • Swedish • Romanian
		• Turkish • Vietnamese • Thai • Ukrainian
		• Polish • Norwegian • Portuguese
		• Simplified Chinese • Traditional Chinese
Dashboard	Panel	Internet Status
		Mesh Status
		Devices Management
		LAN Status
		Wi-Fi Status
		DHCP Server Status
		System Version
		Connected Devices
	Charts	Mesh Topology
		Wi-Fi Speed