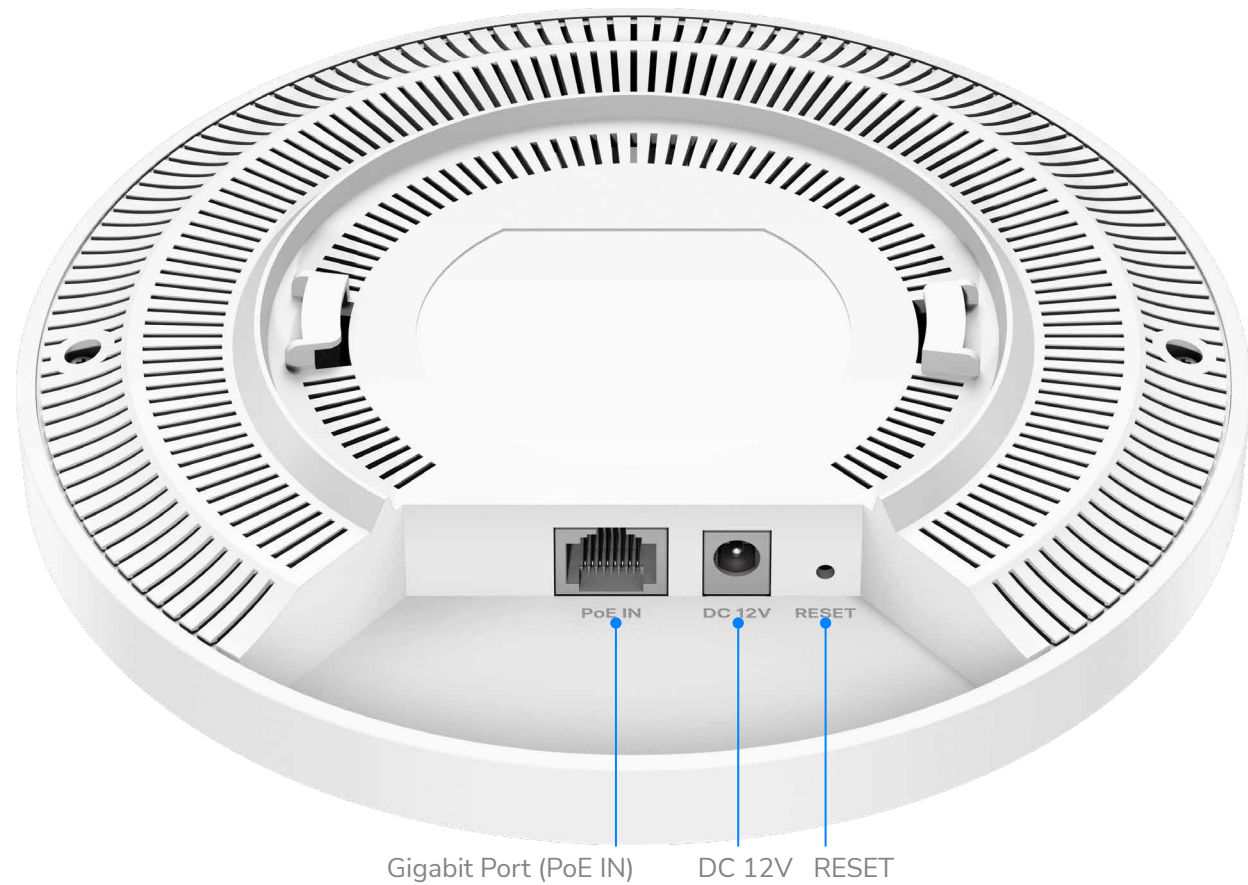


Model: AP1300

AC1200

Dual-Band Gigabit
Ceiling Mount Access Point





Connects More Devices

MU-MIMO enables communication with multiple devices simultaneously, improving efficiency and throughput under heavy use.

100+
Devices

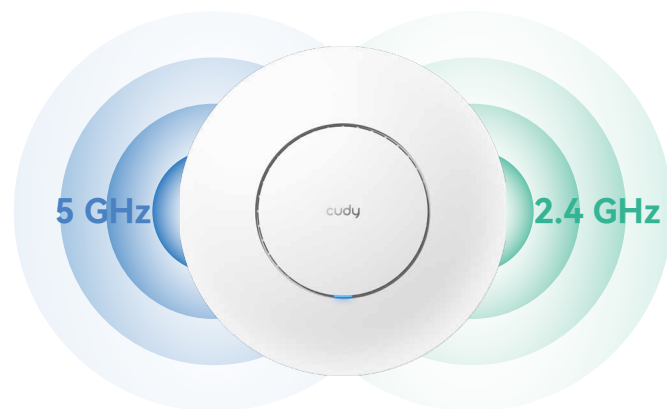


Versatile PoE/DC Power Options

AP1300 supports 802.3at/af PoE, 24–57V Passive PoE, and DC power, reducing wiring clutter and simplifying deployment for easier network setups in any environment.

Creates Faster and Broader Business Wi-Fi

Impress your customers with fast and responsive dual-band Wi-Fi that enables new and legacy devices to stream in their dedicated band.



867 Mbps
5 GHz

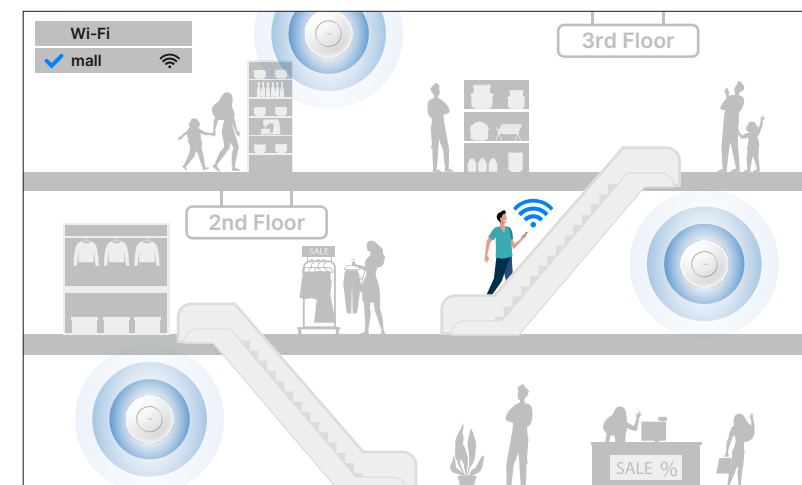


300 Mbps
2.4 GHz

[Datasheet](#) AC1200 Dual-Band Gigabit Ceiling Mount Access Point | AP1300

Seamless Coverage with Cudy Mesh

Connect AP to a Cudy AC/Mesh device to set up instantly and enable the fast roaming feature, allowing clients to move freely between Wi-Fi zones without switching networks.





Highlights

A compact wall/ceiling-mounted WiFi AP designed for offices, classrooms, hotels, and SOHO.

- 4-Stream Dual-Band Wi-Fi 5
- 867 Mbps + 300 Mbps Wi-Fi
- Gigabit Ethernet RJ45 Port
- 802.3at/af, Passive PoE, DC
- 100 Connected Devices
- Covers 100m² (1,100 ft²)
- Φ171.4×41 mm (Φ6.75×1.61")

Package Content

- AP1300
- Mounting Kit
- Installation Guide

Hardware Specs

CPU	CPU Details	880 MHz Dual-Core CPU
Memory	Flash/ROM	16 MB (128 Mbit) NOR
/Storage	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
	FEM or PA/LNA	5 GHz: 2× Internal
		2.4 GHz: 2× Internal
	Beamforming	True
	Range Performance	Max: 170 m (558 ft)
	Wall Performance	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.
		Two wooden walls with thickness < 10 cm (4")
		One concrete wall with thickness < 20 cm (7")



Hardware Specs

Interfaces	Gigabit RJ45 Ports	1
	Ethernet Notes	Accepts PoE powering
	LED	System
	Physical Buttons	Reset Button
	Power Interfaces	DC Jack
		PoE via Ethernet Port
Power	Power Methods	DC
		Passive PoE
		802.3at/af PoE
	Power Input	DC: 12V=1A
		Passive PoE: 24-57V=
		PoE: 802.3at/af
	Max Power Consumption (W)	Max (PoE): 11 W
		Max (DC): 7.5 W
	Idle Power Consumption (W)	4 W
Reliability	EMC	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
		Ceiling-mount
	Dimension	Φ171.4×41 mm
		Φ6.75×1.61 inches
Ordering Information	207×172×43 mm	
	8.15×6.77×1.69 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	50
	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), VLAN Support
	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 Specs

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
		MAP-E
		DS-Lite
	IPTV/VLAN	Tag VLAN
	TTL Customization	Extend
		Spoof
		Custom
	IGMP	IGMP Proxy
		IGMP Snooping
		Port Forwarding
	Forwarding	Port Triggering
		UPnP
		DMZ
		SPI Firewall
	Firewall	DoS Protection
		Block PING



Software Specs

Network	Application Layer Gateway	IPSec Passthrough
		L2TP Passthrough
		PPTP Passthrough
		FTP Passthrough
		TFTP Passthrough
		H323 Passthrough
		SIP Passthrough
		RTSP Passthrough
Utilities	Captive Portal	True
	VPN Server	WireGuard
		OpenVPN
		IPsec
		Zerotier
		PPTP
		L2TP
	VPN Client	WireGuard
		OpenVPN
		IPsec
		Zerotier
		PPTP
		L2TP
	DNS Options	DNS over TLS
		Manual DNS
		Rebind Protection
		Override Clients' DNS

Software Specs

Utilities	DNS over TLS Providers	Cloudflare
		Google
		Quad9
		Custom
Management	Wake on LAN	True
		Online Detection
		True
	All Devices Management	Wi-Fi Time Schedule
		MAC Filter
		IP/MAC Binding
		Internet On/Off
		VPN On/Off
		Online Time Schedule
		Device Rename
System	Content Management	Domain Filter
		IP Filter
	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
	Firmware Upgrade	Local Update
		App (Over the Air)
		Online Update
	Reliability	Timed Reboot
		Backup and Restore



Software Specs

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

Software Specs

Dashboard	Charts	Mesh Topology
		Internet Speed
		WISP Speed
		Wi-Fi Speed
		WAN
		WISP
General	Internet Failover Sequence	