

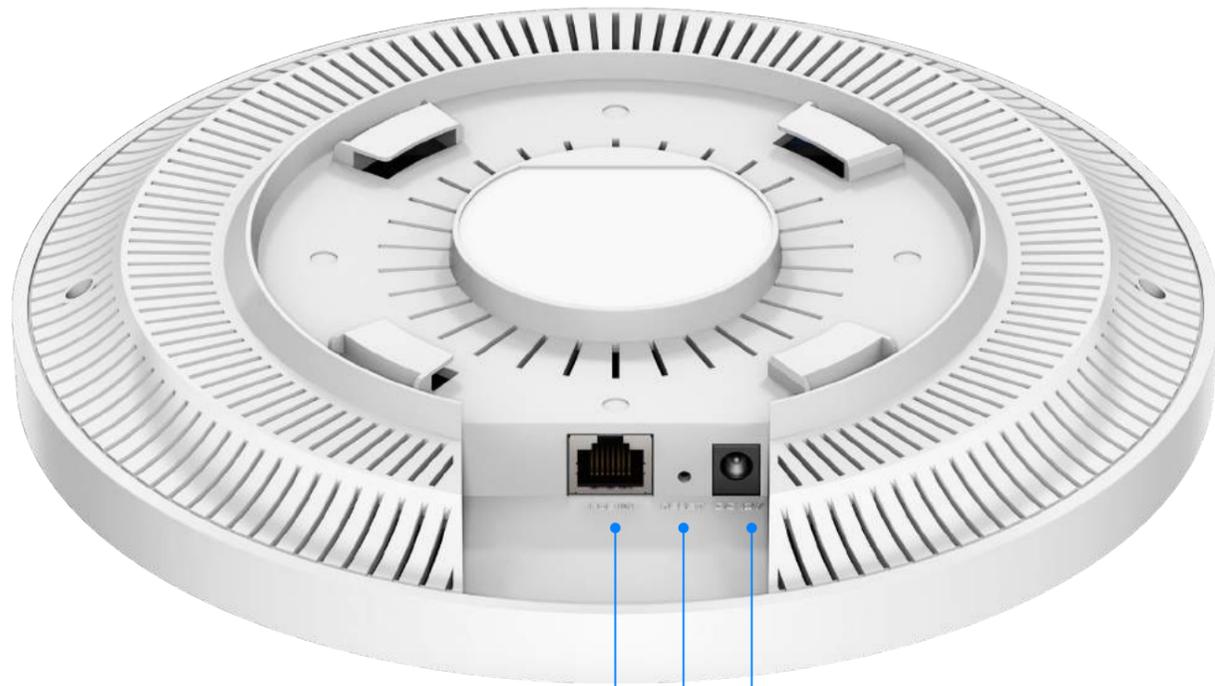


Model: AP1300/AP1300_P

AC1200

Dual-Band Gigabit
Ceiling Mount Access Point





Gigabit Port (PoE IN) RESET DC 12V

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

Connects More Devices

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

100+
Devices



Hardware Watchdog Improves Reliability

Automatically reboot the AP when the software freezes and fails to respond, improving system reliability.

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 wall/ceiling-mounted WiFi AP designed for offices and classrooms.

- 4-Stream Dual-Band Wi-Fi 5
- 867 Mbps + 300 Mbps Wi-Fi
- 1× Shielded GbE PoE In
- 802.3at/af, Passive PoE, DC
- 100 Connected Devices
- Covers 100m² (1,100 ft²)

Package Content

- AP1300
- Mounting Kit
- Ethernet Cable
- Installation Guide

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
	FEM or PA/LNA	5 GHz: 2× External 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")
Interfaces	Gigabit RJ45 Ports	1
	Ethernet Notes	Accepts PoE powering
	LED	System

Hardware Specs

Interfaces	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 $\overline{=}$ 1A
		Passive PoE: 24 ~ 57V $\overline{=}$
		PoE: 802.3at/af
Power Adapter in the Box	AP1300 No adapter in the box	
	AP1300_P PoE adapter in the box:	
	Input: 100-240V~, 50/60Hz	
	Output: 48V $\overline{=}$ Passive PoE	
Max Power Consumption (W)	Max (PoE): 11 W	
	Max (DC): 7.5 W	
Idle Power Consumption (W)	4.008 W	
Reliability	Advanced	Hardware Watchdog
	EMS	ESD: Contact: 4kV; Air: 8kV

Hardware Specs

Reliability	Environment	Operating Temperature:
		0 °C ~ 40 °C (32 °F ~104 °F)
Certifications	Installation	Storage Temperature:
		-40 °C ~ 70 °C (-40 °F ~ 158 °F)
		Humidity: 10% ~ 90% non-condensing
		Storage Humidity: 5% ~ 90% non-condensing
Mechanical	Dimension	FCC, CE
		Wall-mount
	Product Weight	Ceiling-mount
		Φ231.9×57.1 mm
		Φ9.13×2.25 inches
		EU: 395.6 g (13.95 oz.)
Ordering Information	Retail Package Weight	US: 395.6 g (13.95 oz.)
		EU: 756.2 g (26.67 oz.)
		With PoE Adapter (_P) EU: 920 g (32.45 oz.)
	Retail Package Dimension	US: 751.8 g (26.52 oz.)
		283×238×68 mm (11.14×9.37×2.68 inches)
	Units per Carton	20
	Carton Net Weight	EU: 15.1 kg (33.29 lbs)
		With PoE Adapter (_P) EU: 18.4 kg (40.57 lbs)
US: 15.1 kg (33.29 lbs)		
Carton Gross Weight	EU: 16.5 kg (36.38 lbs)	
	With PoE Adapter (_P) EU: 19.8 kg (43.65 lbs)	
	US: 17.5 kg (38.58 lbs)	
Carton Dimension	58×37.5×49.5 cm (22.83×14.76×19.49 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	100
	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
General	WPS	True
	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
	IPTV/VLAN	MAP-E
		DS-Lite
		Tag VLAN
	TTL Customization	Extend
		Spoof
Custom		
IGMP	IGMP Proxy	
	IGMP Snooping	



Software Specs

Network	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		
RTSP Passthrough		
Utilities	Captive Portal	True
	VPN Server	WireGuard
OpenVPN		
IPsec		
Zerotier		
PPTP		
	L2TP	

Software Specs

Utilities	VPN Client	WireGuard	
		OpenVPN	
		IPsec	
		Zerotier	
		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	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	



Software Specs

Management	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/TR143/TR181
	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 WAN Status LAN Status Wi-Fi Status VPN Status DHCP Server Status System Version
			Charts	Mesh Topology Internet Speed WISP Speed Wi-Fi Speed
		General		WAN WISP