

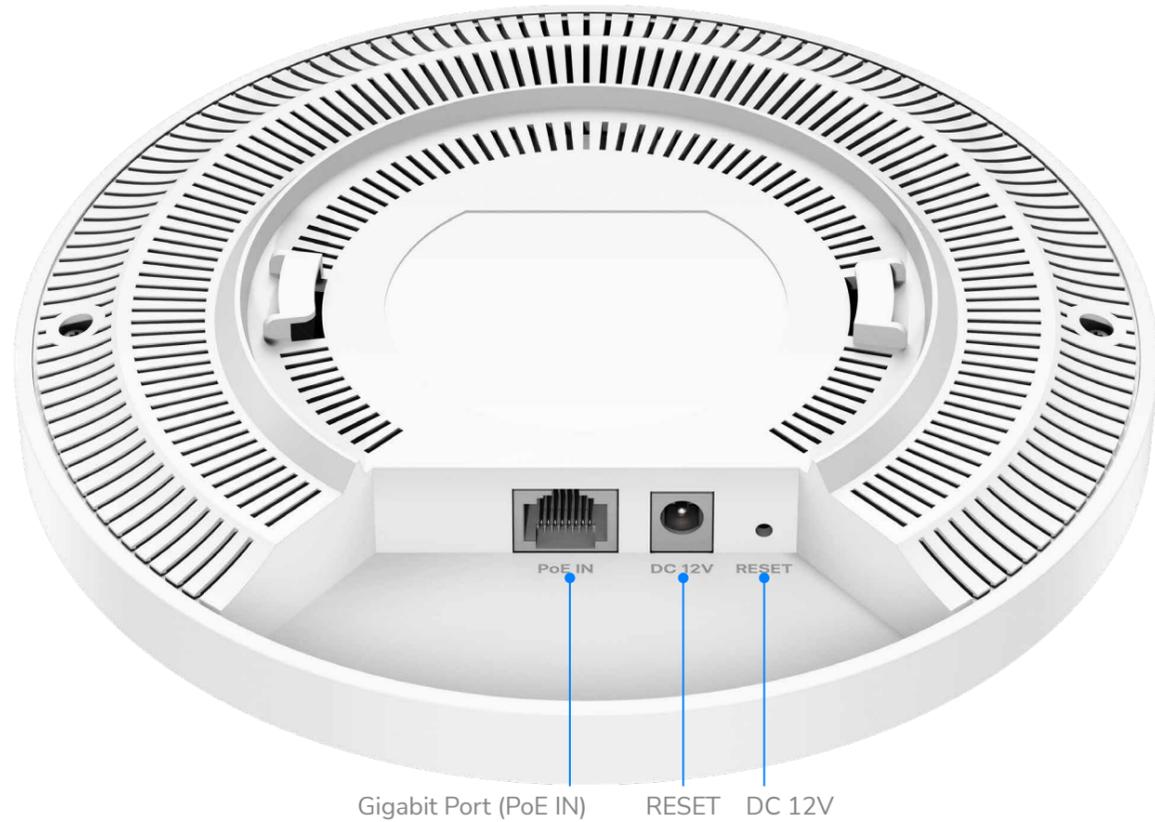


Model: AP1300

AC1200

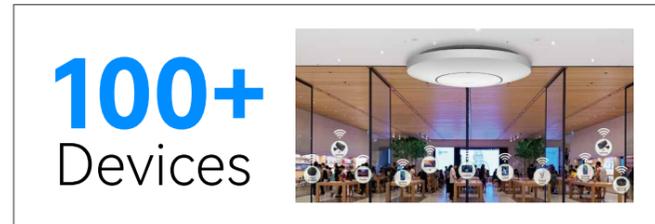
Dual-Band Gigabit
Ceiling Mount Access Point





Connects More Devices

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



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

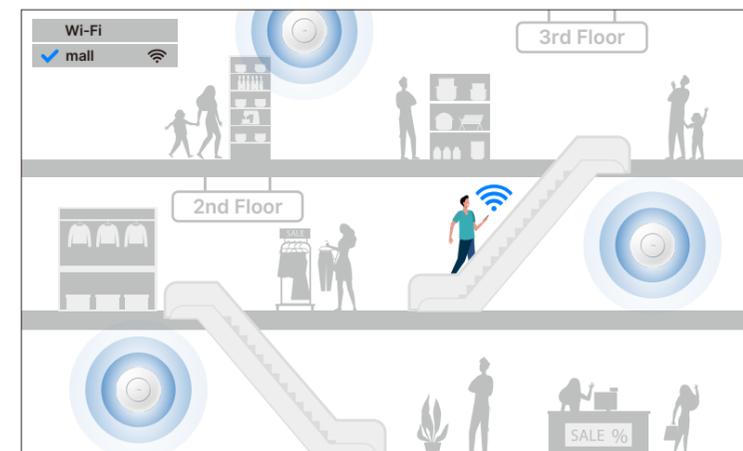
Impress your customers with fast and responsive dual-band Wi-Fi that enables new and legacy devices to stream in their dedicated band.



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)
- Φ 171.4x41 mm (Φ 6.75x1.61")

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 (2x2 MIMO)
	2.4 GHz Wi-Fi Streams	2T2R (2x2 MIMO)
	Wi-Fi Antennas	4x Internal
	FEM or PA/LNA	5 GHz: 2x Internal 2.4 GHz: 2x 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")	



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)
	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

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
IPTV/VLAN	MAP-E	
	DS-Lite	
	Tag VLAN	
TTL Customization	Extend	
	Spoof	
	Custom	
IGMP	IGMP Proxy	
	IGMP Snooping	
Forwarding	Port Forwarding	
	Port Triggering	
	UPnP	
	DMZ	
Firewall	SPI 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
		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
		Wake on LAN
	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
	Content Management	Domain Filter
		IP Filter
		LED Control
System	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
General	Internet Failover Sequence	WAN
		WISP