

Model: AP1200

AC1200 Wi-Fi Access Point



AC1200
Dual-Band Wi-Fi

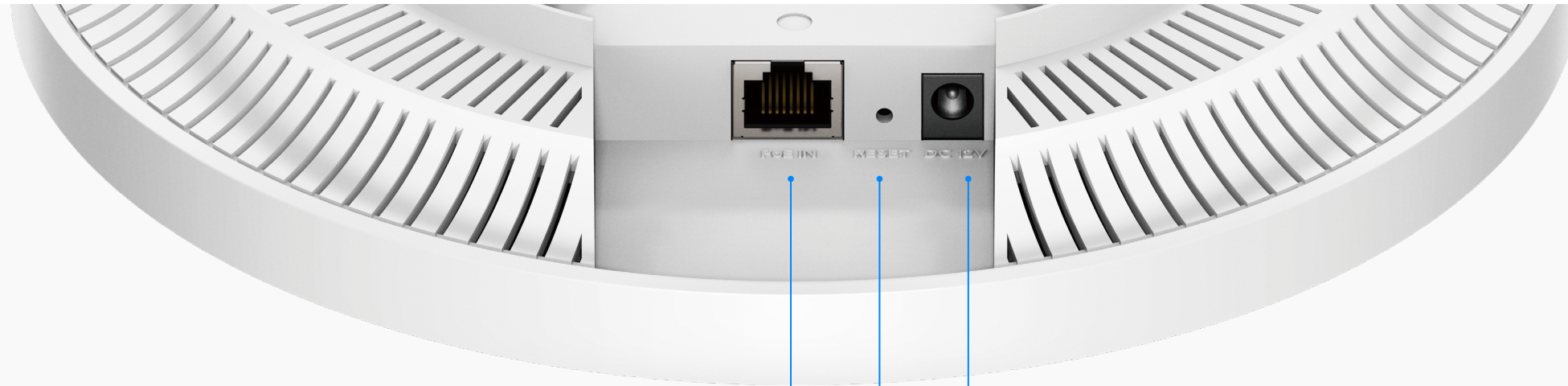


10/100 Mbps
PoE-IN Port



MU-MIMO and
Beamforming

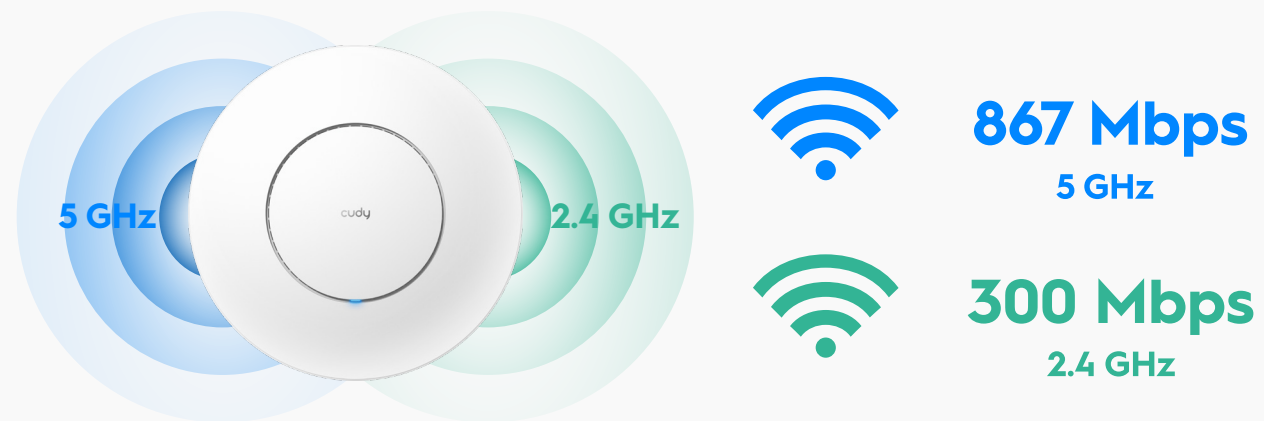




10/100 Mbps Port (PoE IN) RESET DC 12V

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.



DC, 802.3at/af, or Passive PoE Powering

In addition to the traditional DC power jack, the PoE-compatible Ethernet port enables data and power delivery through a single Ethernet cable, using power from a PoE switch, PoE access point controller, or PoE injector.

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 small-sized offices and classrooms.

- 4-Stream Dual-Band Wi-Fi 5
- 867 Mbps + 300 Mbps Wi-Fi
- 1× Fast Ethernet Port (PoE In)
- 802.3at/af, Passive PoE, DC
- Covers 140 m² (1,500 ft²)
- 50 Connected Devices

Package Content

- AP1200
- Mounting Kit
- Installation Guide

Hardware Specs

CPU	CPU Details	580 MHZ Single-Core CPU
Memory/Storage	Flash/ROM	16 MB (128 Mbit) NOR
	DDR/RAM	128 MB (1 Gbit) DDR2
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)
		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")
Interfaces	Wall Performance	One concrete wall with thickness < 20 cm (7")
	10/100 Mbps RJ45 Ports	1
	Ethernet Notes	Accepts PoE powering
	LED	System
	Physical Buttons	Reset Button
	Power Input	DC Jack
		PoE via Ethernet Port



Hardware Specs

Power	Power Methods	DC
		Passive PoE
		802.3at/af PoE
	DC Input	12V 1A
	Passive PoE Input	24V
	Power Adapter	AP1200 Without DC Adapter:
		Input: 100 ~ 240 V, 50/60 Hz AC
		Output: 12V 1A DC
		AP1200P PoE Adapter in the box:
		Input: 100 ~ 240 V, 50/60 Hz AC
Reliability	Max Power Consumption (W)	12 W
		Idle Power Consumption (W)
	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

Certifications	FCC, CE	
Mechanica	Installation	Wall-mount
		Ceiling-mount
	Dimension	Φ231.9×57.1 mm
		Φ9.13×2.25 inches
	Product Weight	
	370.5 g (13.07 oz.)	
Ordering	Retail Package Weight	EU: 781.1 g (27.55 oz.)
Information	Retail Package Dimension	283×238×68 mm
		11.14×9.37×2.68 inches
	Units per Carton	20
	Carton Net Weight	9.26 kg (20.41 lbs)
		EU: 15.6 kg (34.39 lbs)
	Carton Gross Weight	10.24 kg (22.58 lbs)
		EU: 16.7 kg (36.82 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	50
	Max Wi-Fi Channel Width	80 MHz
	Wi-Fi Security	WPA/WPA2/WPA3
	Guest Network	2.4 GHz, 5 GHz
	WPS	True
General	Operation Modes	Wi-Fi Router / WISP
		Access Point / Client
		Range Extender
	Mesh	Cudy Mesh
	Mesh Backhaul	Wireless Backhaul
		Wired Backhaul
	Multi-Band Backhaul	True
	WAN Mode	DHCP
		Static IP
		PPPOE
		PPTP
		L2TP

Network	QoS	Per-User Rate Limiting
		Address Reservation
		DHCP Client List
		Server
		IP Versions
	IPv6 Protocols	IPv4/IPv6
		Relay
		Dynamic (SLAAC/DHCPv6)
		Static (Fixed IP)
		Passthrough
		464XLAT
		MAP-E
		DS-Lite
	IPTV/VLAN	Bridge
		Tag VLAN
		Extend
	TTL Customization	Spoof
		Custom
		IGMP Proxy
	IGMP	IGMP Snooping
		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	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
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/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	
		Devices Management	
		WAN Status	
		LAN Status	
		Wi-Fi Status	
		VPN Status	
		DHCP Server Status	
		System Version	
		Mesh Topology	
		Internet Speed	
	Charts	WISP Speed	
		Wi-Fi Speed	
		WAN	
		WISP	
		Internet Failover Sequence	
		General	

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. The wireless coverage claim serves as a reference only. Coverage performance will vary due to environmental factors including building layout, obstacles, traffic volume and density, and device location. For optimal coverage, please place the device in a central location within the area requiring Wi-Fi.

3. Actual performance for multiple devices may be affected by the types of applications used, the total available bandwidth, and the capabilities of your devices. Connecting older Wi-Fi devices (legacy standards) may reduce overall efficiency. Using efficiency features requires compatible client devices that also support those features. Find more information about supported efficiency features in the software section of the Specs spreadsheet.