Model: AP1300D 1.0

AC1200 Desktop Wireless Access Point



Datasheet

Highlights

A desktop/wall-mounted WiFi AP for offices, hotels, and studios.

- 4-Stream Dual-Band Wi-Fi 5
- 867 Mbps + 300 Mbps Wi-Fi
- 1× Gigabit Ethernet Port (PoE In)
- 802.3at/af, Passive PoE, DC
- 4× High-Gain Antennas
- Multi-SSID
- Captive Portal
- Multi-AP Management

Actual wireless data throughput will vary as a result of network conditions, client limitations, and environmental factors including building layout, obstacles, and client location.

Cudy AP Controller is required to enable this feature.

Package Content

- AP1300D
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Specs

Model Version	AP1300D 1.0	
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	2 Spatial Streams
	2.4 GHz Wi-Fi Streams	2 Spatial Streams
	Wi-Fi Antennas	4× Fixed
	FEM or PA/LNA	5 GHz: 2× Internal, 2.4 GHz: 2× Internal
	Beamforming	True

Wireless	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	ETH0: PoE In
Buttons and LEDs	LED	5 GHz Wi-Fi, 2.4 GHz Wi-Fi, WPS, LAN, Internet, Power
	Physical Buttons	Reset Button, Power On/Off Button
Power	Power Input Type	• DC Jack • PoE via Ethernet Port

Hardware Specs

Power	Power Methods	• DC • Passive PoE • 802.3at/af PoE
	Power Input	• DC: 12V⎓1A • Passive PoE: 12-57V⎓ • PoE: 802.3at/af
	Max Power Consumption (W)	11W (PoE), 8.5W (DC)
	Power Adapter In the Box	Input: 100-240V~, 50/60Hz Output: 12V⎓1A
Reliability	EMC	ESD: Contact: 4kV; Air: 8kV
	Environment	Operating Temperature: -10 ℃ ~ 65 ℃ (14 ℉ ~149 ℉) Storage Temperature: -40 ℃ ~ 70 ℃ (-40 ℉ ~ 158 ℉) Operating Humidity: 10% ~ 90% non-condensing Storage Humidity: 5% ~ 90% non-condensing
Certifications	FCC, CE	

Mechanical	Installation	• Desktop • Wall-mount
	Dimension	Device: 183.3×109×38 mm 7.22×4.29×1.5 inches Each Antenna: 175 mm 6.89 inches
	Product Weight	265.2 g (9.35 oz.)
Package Content	• AP1300D • Power Adapter • Ethernet Cable • Installation Guide	
Ordering Information	Retail Package Weight	EU: 672.4 g (23.72 oz.)
	Retail Package Dimension	330×256×60 mm 12.99×10.08×2.36 inches
	Units per Carton	10
	Carton Net Weight	EU: 6.7 kg (14.77 lbs)
	Carton Gross Weight	EU: 7.5 kg (16.53 lbs)

Hardware Specs

Ordering Information	Carton Dimension	52.8×31.7×34.7 cm 20.79×12.48×13.66 inches

Software Specs

Model Version	AP1300D 1.0	
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
	Wi-Fi Channel Width	Auto/20/40/80 MHz
	Wi-Fi Security	WPA/WPA2/WPA3
	Multi-SSID (Max Number)	8 SSIDs (Up to 4 SSIDs on each band), VLAN Support
	WPS	True
	Separate Client	True

Software Specs

General	Operation Modes	• Access Point • Range Extender • Client
	Mesh	Cudy Mesh
	Mesh Backhaul	• Wireless Backhaul • Wired Backhaul
	Multi-Band Backhaul	True
Management	Multi-AP Management	Via Cudy AP Controller
	All Devices Management	Wi-Fi Time Schedule
Network	DHCP	Server
	IP Versions	IPv4
	IGMP	IGMP Snooping
Utilities	Captive Portal	True
	Captive Portal Authentication	No Authentication, Local Password, External Portal Server

Utilities	Captive Portal Providers	HotspotSystem, Iron Wi-Fi, ObiFi, Vulacoin, WorldSpot.net, WiFiMAX, Manual
	Wake on LAN	True
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 • 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 • Mesh Status • Devices Management • LAN Status • Wi-Fi Status • DHCP Server Status • System Version
	Charts	• Mesh Topology • Wi-Fi Speed