cudy

Model: AP3000D

AX 3000

Desktop Wi-Fi 6 Access Point

cudy

WPS   Gigabit Port (**PoE IN**)

WPS   POE-IN

RESET   ETHERNET   POWER   12V DC

RESET   Power On/Off   12V DC
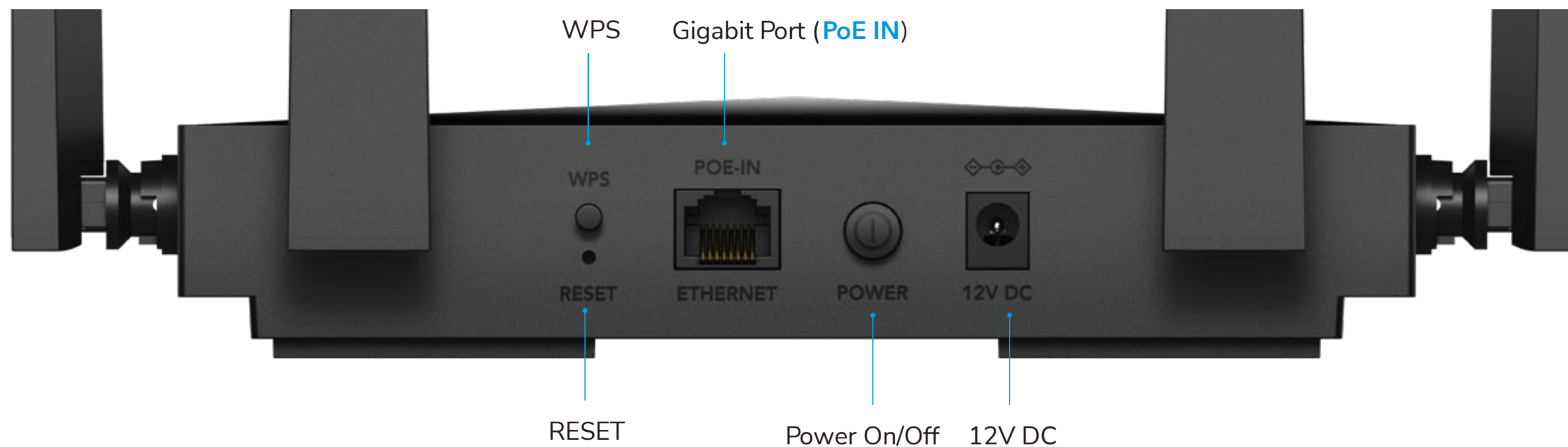
Blazing Fast Speed with High-Capacity Wi-Fi 6

Impress your customers with fast and responsive Wi-Fi with multi-gig bandwidth, enabled by the highest 160 MHz channel width in Wi-Fi 6.

5 GHz   2.4 GHz

2402 Mbps
5 GHz

574 Mbps
2.4 GHz

DC, 802.3at/af, or Passive PoE Powering

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

Captive Portal and Multi-SSID

Captive Portal allows popping up a welcome or validation page when users connect. Multi-SSID creates multiple Wi-Fi names for different tasks and improves security.

SSID IoT

SSID Guest

SSID Staff
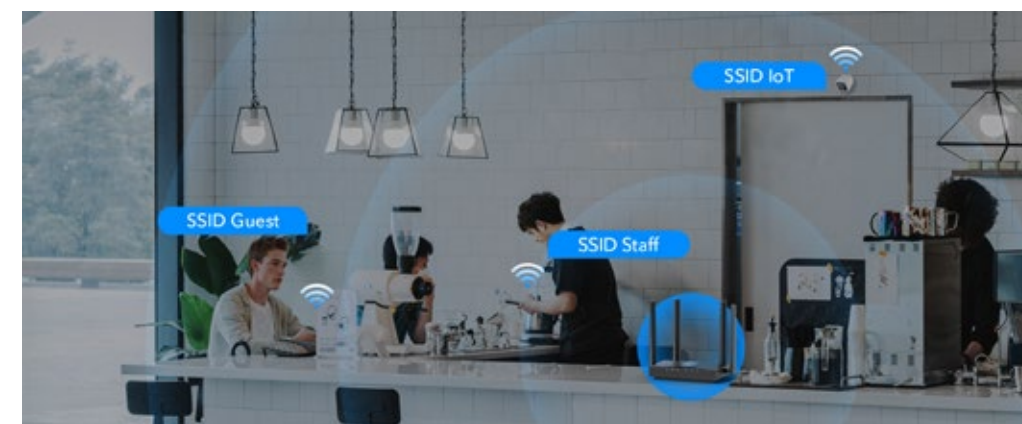
Seamless Coverage with Cudy Mesh

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.

Wi-Fi

✔ office

Highlights

A desktop/wall-mounted WiFi 6 AP for offices, hotels, and studios.

- 1.3 GHz Dual-Core CPU
- 4-Stream Dual-Band Wi-Fi 6
- 2402 Mbps + 574 Mbps Wi-Fi [1]
- 1× Gigabit Ethernet Port (PoE In)
- 802.3at/af, Passive PoE, DC
- Covers 130 m² (1,400 ft²) [2]
- Multi-SSID
- Captive Portal

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. Subscribe to our emails

Package Content

- AP3000D
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Features

CPU	Chipset	MT7981
	CPU Details	1.3 GHz Dual-Core, ARM Cortex-A53
Memory/Storage	Flash/ROM	16 MB (128 Mbit) NOR
	DDR/RAM	256 MB (2 Gbit) DDR3
Wireless	5 GHz Wi-Fi Speed	2402 Mbps
	2.4 GHz Wi-Fi Speed	574 Mbps
	5 GHz Wi-Fi Streams	2T2R (2×2 MIMO) with an Extra Stream
	2.4 GHz Wi-Fi Streams	2T2R (2×2 MIMO)
	Wi-Fi Antennas	4× Fixed
	5 GHz Antenna Gain Max	5.6dBi
	2.4 GHz Antenna Gain Max	5.1dBi
	FEM or PA/LNA	5 GHz: 3× Internal
		2.4 GHz: 2× Internal
	Beamforming	True
	Range Performance	Max: 220 m (722 ft)
		Indoor WiFi range varies depending on the layout and wall materials. See Wall Performance spec for placement suggestions.
	Wall Performance	Two wooden walls with thickness < 10 cm (4")
		One concrete wall with thickness < 20 cm (7")
		or two concrete walls with thickness < 10 cm (4")

Hardware Features

Interfaces			
	Gigabit RJ45 Ports	1	
	Ethernet Notes	Accepts PoE powering	
	LED	• System	
		• eInternet	
		• Ethernet	
		• WPS	
		• 2.4 GHz Wi-Fi	
		• 5 GHz Wi-Fi	
	Physical Buttons	• WPS Button	
		• Reset Button	
	Power Input	DC Jack, PoE via Ethernet Port	
Power	Power Methods	• DC	
		• Passive PoE	
		• 802.3at/af PoE	
	DC	12V 1A	
	Passive PoE	12V	
	Power Adapter	AP3000D/AP3000D_PIDC Adapter in the box:	
		Input: 100~240 V, 50/60 Hz AC	
		Output: 12V 1A DC	
		AP3000D P|Gigabit DC Passive PoE Injector in the box:	
		Input:12~48V	
	Max Power Consumption(W)	12 W (48 V PoE) 12 W (DC)	

Reliability			
	Environment	• Operating Temperature:0℃~40℃(32℉~104℉)	
		• Storage Temperature:-40℃~70℃(-40℉~158℉)	
		• Humidity:10%~90% non-condensing	
		• Storage Humidity:5%~95% non-condensing	
Certifications	FCC, CE		
Mechanical	Installation	• Desktop	
		• Wall-mount	
	Dimension	Device:	
		183.3x109x38 mm	
		7.22x4.29x1.5 inches	
		Antenna Length:	
		175 mm	
		6.89 inches	
	Product Weight	309.0 g (10.9 oz.)	

Hardware Features

Ordering Information			
	Retail Package Weight	EU: 719.5 g (25.38 oz.)	
	Retail Package Dimension	330x256x60 mm	
		12.99x10.08x2.36 inches	
	Carton Net Weight	EU: 7.2 kg (15.87 lbs)	
	Carton Gross Weight	EU: 7.9 kg (17.42 lbs)	
	Units per Carton	10	
	Carton Dimension	52.8x31.7x34.7 cm	
		20.79x12.48x13.66 inches	

Software Features

Wireless		
	Wi-Fi Standards	Wi-Fi 6
	Max Wi-Fi Modulation	1024-QAM
	Wi-Fi Efficiency	• OFDMA
		• MU-MIMO
		• BSS Color
	Max Capacity	256
	Recommended Client Upper Limit	100
	Max Wi-Fi Channel Width	160 MHz
	Wi-Fi Security	WPA/WPA2/WPA3
	Multi-SSID (Max Number)	8 SSIDs (Up to 4 SSIDs on each band)
	WPS	True

General		
	Operation Modes	• Access Point
		• Range Extender
		• Client
	Mesh	Cudy Mesh
	Mesh Backhaul	• Wireless Backhaul
		• Wired Backhaul
	Multi-Band Backhaul	True
Network	DHCP	Server
	IP Versions	IPv4
	IGMP	IGMP Snooping
Utilities	Captive Portal	True
	Captive Portal Providers	HotspotSystem, lron Wi-Fi, ObiFi, Vulacoin, WorldSpot.net, WiFiMAX, Manual
	Wake on LAN	True
Management	All Devices Management	Wi-Fi Time Schedule
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

Software Features

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
		• Mesh Status
		• Devices Management
		• LAN Status
		• Wi-Fi Status
		• DHCP Server Status
		• System Version
	Charts	• Mesh Topology
		• Wi-Fi Speed