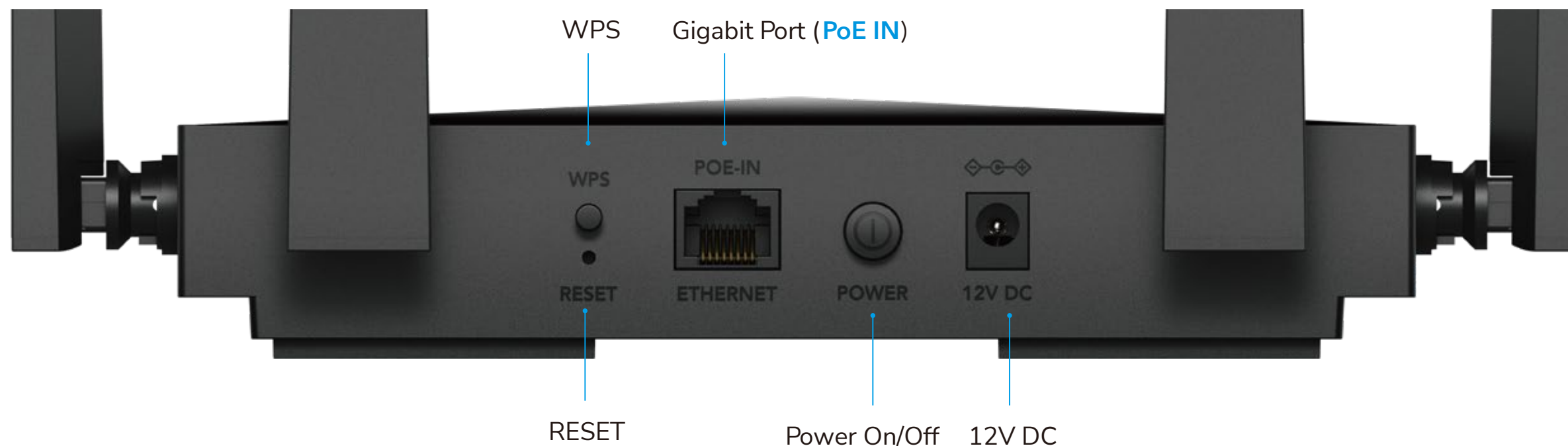


Model: AP3000D

AX 3000

Desktop Wi-Fi 6 Access Point





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.



2402 Mbps
5 GHz

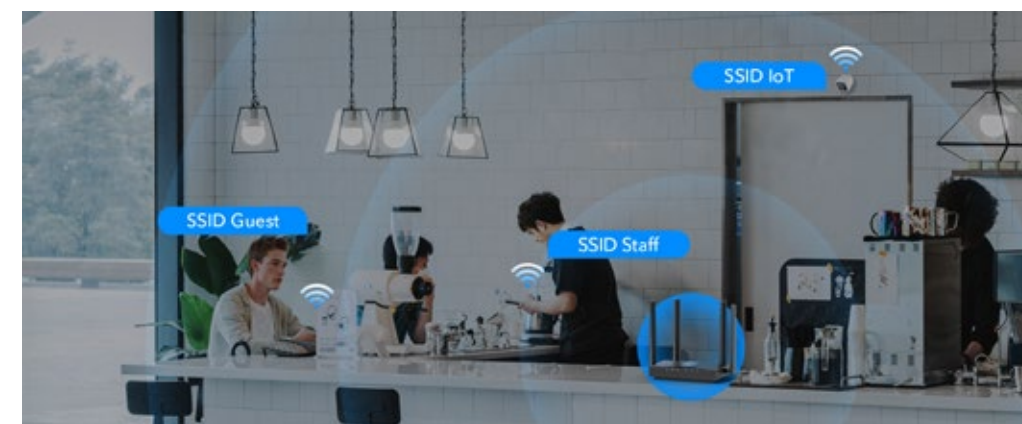
574 Mbps
2.4 GHz

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.



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 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



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°C~40°C(32°F~104°F) • Storage Temperature:-40°C~70°C(-40°F~158°F) • 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, Iron 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