Model: AP3000D 1.0

AX3000 Desktop Wi-Fi 6 Access Point



Datasheet

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× Gigabit Ethernet Port (PoE In)
- 802.3at/af, Passive PoE, DC
- Covers 130 m² (1,400 ft²)
- Multi-SSID
- Captive Portal

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

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.

Package Content

- AP3000D
- Power Adapter
- Ethernet Cable
- Installation Guide

Hardware Specs

Model Version	AP3000D 1.0	
CPU	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	2 Spatial Streams with 3T3R
	2.4 GHz Wi-Fi Streams	2 Spatial Streams
	Wi-Fi Antennas	4× Fixed
	FEM or PA/LNA	5 GHz: 3× Internal, 2.4 GHz: 2× Internal
	Beamforming	True

Wireless	Range Performance	Max: 220 m (722 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") or two concrete walls with thickness < 10 cm (4")
Interfaces	Gigabit RJ45 Ports	1
	Ethernet Notes	ETH0: PoE In
Buttons and LEDs	LED	System, Internet, Ethernet, WPS, 2.4 GHz Wi-Fi, 5 GHz Wi-Fi
	Physical Buttons	WPS Button, Reset Button

Hardware Specs

Power	Power Input Type	• DC Jack • PoE via Ethernet Port
	Power Methods	• DC • Passive PoE • 802.3at/af PoE
	Power Input	• DC: 12V⎓1A • Passive PoE: 12V⎓ • PoE: 802.3at/af
	Max Power Consumption (W)	12W (48V PoE), 12W (DC)
	Power Adapter In the Box	Input: 100-240V~, 50/60Hz Output: 12V⎓1A
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: 183.3×109×38 mm 7.22×4.29×1.5 inches Each Antenna: 175 mm 6.89 inches
	Product Weight	309.0 g (10.9 oz.)
Package Content	• AP3000D • Power Adapter • Ethernet Cable • Installation Guide	
Ordering Information	Retail Package Weight	EU: 719.5 g (25.38 oz.)
	Retail Package Dimension	330×256×60 mm 12.99×10.08×2.36 inches
	Units per Carton	10
	Carton Net Weight	EU: 7.2 kg (15.87 lbs)
	Carton Gross Weight	EU: 7.9 kg (17.42 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	AP3000D 1.0	
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
	Wi-Fi Channel Width	Auto/20/40/80/160 MHz
	Wi-Fi Security	WPA/WPA2/WPA3
	Multi-SSID (Max Number)	8 SSIDs (Up to 4 SSIDs on each band)
	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	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
	Captive Portal Providers	HotspotSystem, Iron Wi-Fi, ObiFi, Vulacoin, WorldSpot.net, WiFiMAX, Manual

Utilities	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