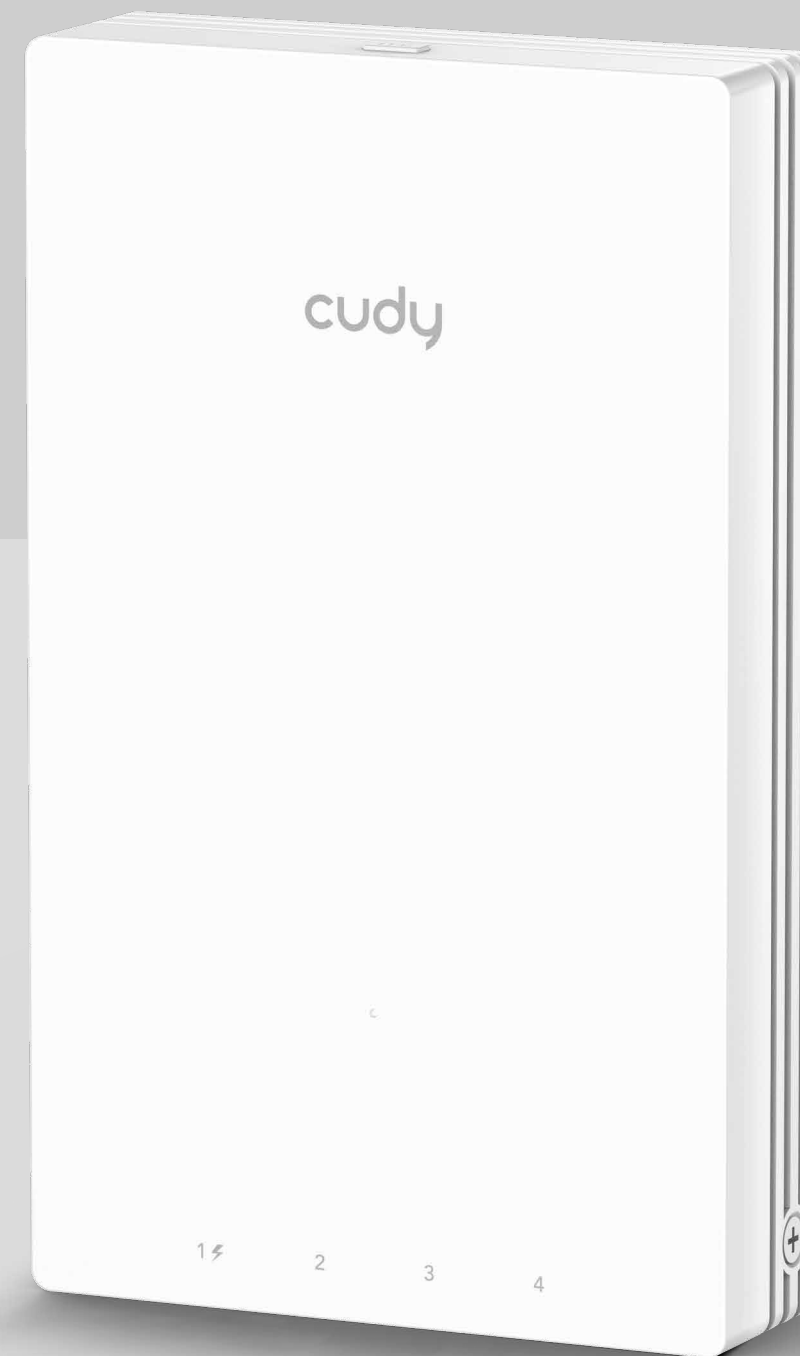




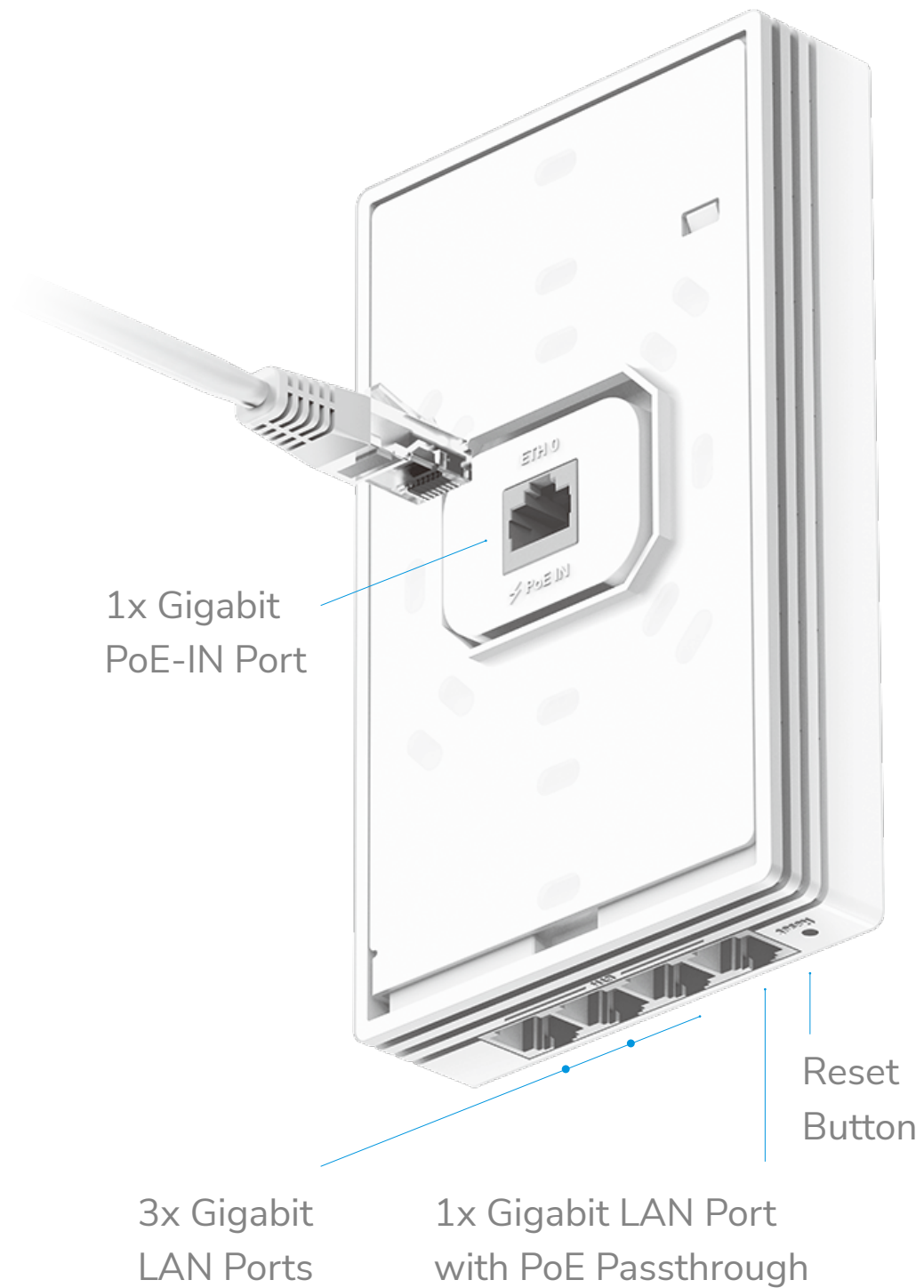
Model: AP3000 Wall

AX3000

Wall-Plate Wi-Fi 6 Access Point



[Datasheet](#)



4 Gigabit LAN Ports

4 Gigabit ports connect multiple devices to the Gigabit internet.

PoE Passthrough Available

One port with PoE Passthrough delivers power and data over a single cable, simplifying connections for IP phones or PSE-enabled devices.

Fast Roaming with cudy Mesh

Enables uninterrupted and seamless Wi-Fi expansion with Cudy Mesh.

Simplified Deployment with PoE Power





Highlights

An in-wall WiFi 6 AP with a built-in 5-GbE switch ideal for covering a room or ensuite in hospitality environments. One PoE output allows for connecting an IP phone or other PSE-enabled devices.

- 1.3 GHz Dual-Core CPU
- 4-Stream Dual-Band Wi-Fi 6
- 2402 Mbps + 574 Mbps Wi-Fi
- 1× GbE PoE In, 1× GbE PoE Out, 3× GbE
- 802.3at, 802.3af (No PoE-Out)
- Watchdog, Schedule Reboot
- Covers 60 m² (650 ft²)
- 60 Connected Devices

Package Content

- AP3000 Wall
- Mounting Kit
- Installation Guide

Hardware Specs

CPU	Chipset	MT7981BA
	CPU Details	1.3 GHz Dual-Core CPU
Memory/Storage	Flash/ROM	128 MB (1 Gbit) NAND
	DDR/RAM	256 MB (2 Gbit) DDR3
Wireless	5 GHz Wi-Fi Speed	2402Mbps
	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 (2x2 MIMO)
	Wi-Fi Antennas	3× Internal
	5 GHz Antenna Gain Max	7.08dBi (US), 6.52dBi (EU)
	2.4 GHz Antenna Gain Max	3.17dBi
	FEM or PA/LNA	5 GHz: 3× Internal
		2.4 GHz: 2× Internal
	Beamforming	True
Interfaces	Range Performance	Max: 80 m (262 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")
	Gigabit RJ45 Ports	5
	Ethernet Notes	The port on the back accepts PoE powering. One port on the front bottom supports PoE passthrough
LED		System
Physical Buttons		Reset Button



Hardware Specs

Interfaces	Physical Buttons	LED On/Off Button
	Power Input	PoE via Ethernet Port
Power	Power Methods	Passive PoE
		802.3at/af PoE
	Passive PoE	48V
	Max Power Consumption (W)	12 W (48 V PoE)
	Idle Power Consumption (W)	5 W (48 V PoE)
Reliability	Advanced	Hardware Watchdog
	EMS	ESD: Contact: 4kV; Air: 8kV
	Environment	Operating Temperature: 0 °C ~ 40 °C (14 °F ~149 °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	
Mechanical	Installation	Wall-mount
	Dimension	143×86×27.6 mm
		5.63×3.39×1.09 inches
Ordering Information	Retail Package Dimension	152×39.5×90 mm
		5.98×1.56×3.54 inches
	Units per Carton	30
	Carton Dimension	33.1×22×29.6 cm
		13.03×8.66×11.65 inches

Software Specs

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	60
	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)
General	Operation Modes	Access Point
	Mesh	Cudy Mesh
	Mesh Backhaul	Wireless Backhaul
		Wired Backhaul
Network	Multi-Band Backhaul	True
	DHCP	Server
	IP Versions	IPv4
Utilities	IGMP	IGMP Snooping
	Wake on LAN	True
Management	All Devices Management	Wi-Fi Time Schedule
System	LED Control	True



Software Specs

System	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
	Languages	• English • Bengali • Catalan • Czech
		• German • Greek • Spanish • French
		• Hebrew • Italian • Croatian • Hungarian
		• Khmer • Korean • Dutch • Japanese
		• Russian • Slovak • Swedish • Romanian
		• Turkish • Vietnamese • Thai • Ukrainian
		• Polish • Norwegian • Portuguese
		• Simplified Chinese • Traditional Chinese

Software Specs

Dashboard	Panel	Internet Status
		Mesh Status
		Devices Management
		LAN Status
		Wi-Fi Status
		DHCP Server Status
		System Version
		Connected Devices
	Charts	Mesh Topology
		Wi-Fi Speed