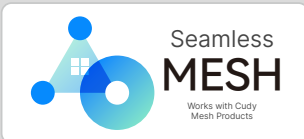
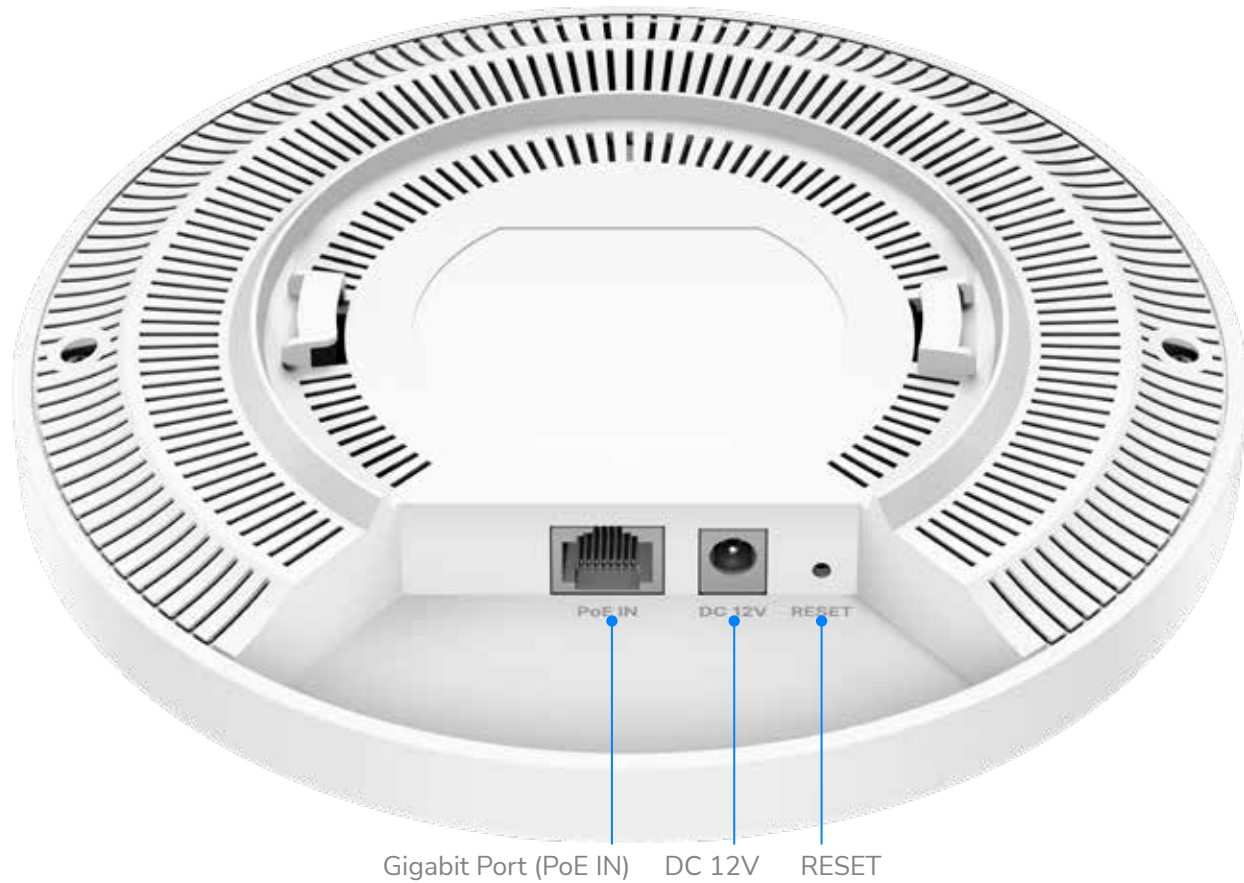


Model: AP3000S

AX3000

Gigabit Wi-Fi 6
Ceiling Mount Access Point





Connects More, Stay Fast

MU-MIMO and OFDMA technology significantly reduce transmission latency to and from the AP when connecting multiple devices.

120+
Devices

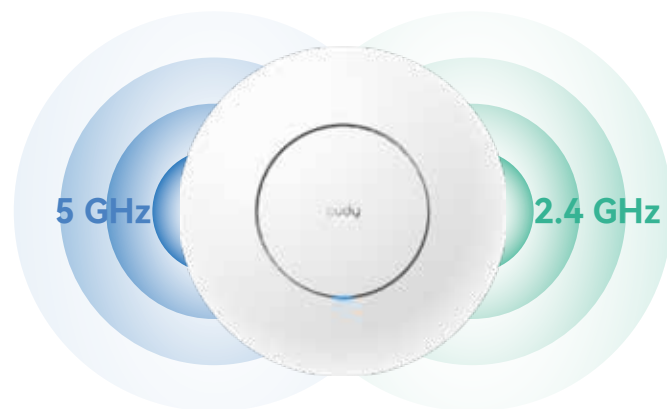


Versatile PoE/DC Power Options

AP3000S supports 802.3at/af PoE, 48–57V Passive PoE, and DC power, reducing wiring clutter and simplifying deployment for easier network setups in any environment.

Lightning-Fast AX3000 Wi-Fi 6 Speeds

With 160 MHz channel bandwidth, AP3000S delivers Wi-Fi 6 speeds up to 2976 Mbps, supporting fast data transmission and stable performance for SMBs and smart home environments.



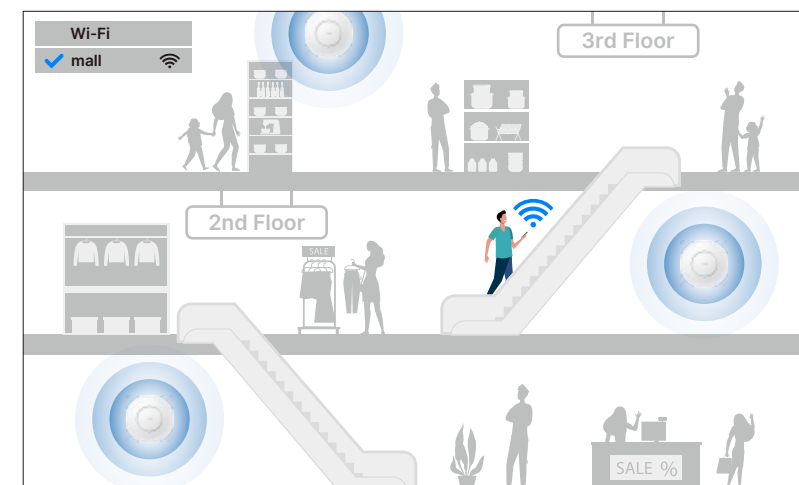
2402 Mbps
5 GHz

574 Mbps
2.4 GHz

[Datasheet](#) AX3000 Gigabit Wi-Fi 6 Ceiling Mount Access Point | AP3000S

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 compact wall/ceiling-mounted Wi-Fi 6 AP, featuring a Gigabit Ethernet port, designed for small businesses and SOHO.

- 4-Stream Dual-Band Wi-Fi 6
- 2402 Mbps + 574 Mbps Wi-Fi
- 1× Gigabit Ethernet RJ45 Port
- 802.3at/af, Passive PoE, DC
- Multi-AP Management
- Captive Portal, Multi-SSID
- 120 Connected Devices
- Φ171.4×41 mm (Φ6.75×1.61")

Package Content

- AP3000S
- Mounting Kit
- Installation Guide

Hardware Specs

CPU	CPU Details	1.2 GHz Dual-Core CPU
Memory /Storage	Flash/ROM	128 MB (1 Gbit) NAND
	DDR/RAM	128 MB (1 Gbit) DDR3
Wireless	5 GHz Wi-Fi Speed	2402Mbps
	2.4 GHz Wi-Fi Speed	574 Mbps
	5 GHz Wi-Fi Streams	2 Spatial Streams
	2.4 GHz Wi-Fi Streams	2 Spatial Streams
	Wi-Fi Antennas	4× Internal
	FEM or PA/LNA	5 GHz: 2× Internal
		2.4 GHz: 2× Internal
	Beamforming	True
Range Performance	Max: 200 m (656 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")



Hardware Specs

Interfaces	Gigabit RJ45 Ports	1
	Ethernet Notes	Accepts PoE powering
	LED	System
	Physical Buttons	Reset Button
	Power Interfaces	DC Jack
		PoE via Ethernet Port
Power	Power Methods	DC
		Passive PoE
		802.3at/af PoE
	Power Input	DC: 12V=1A
		Passive PoE: 48V=
		PoE: 802.3at/af
	Max Power Consumption (W)	Max (PoE): 12 W
		Max (DC): 8.8 W
	Idle Power Consumption (W)	2.5 W
Reliability	EMC	ESD: Contact: 4kV; Air: 8kV
	Environment	Operating Temperature: -10 ℃ ~ 65 ℃ (14 °F ~149 °F)
		Storage Temperature: -40 ℃ ~ 70 ℃ (-40 °F ~ 158 °F)
		Operating Humidity: 10% ~ 90% non-condensing
		Storage Humidity: 5% ~ 90% non-condensing

Hardware Specs

Certifications	FCC, CE	
Mechanical	Installation	Wall-mount
		Ceiling-mount
	Dimension	Φ171.4×41 mm
		Φ6.75×1.61 inches
Ordering Information	207×172×43 mm	
	8.15×6.77×1.69 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	120
	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), VLAN Support
General	WPS	True
	Operation Modes	Wi-Fi Router
		Access Point
		Range Extender
		WISP
		Client
	Mesh	Cudy Mesh
	Mesh Backhaul	Wireless Backhaul
		Wired Backhaul
	Multi-Band Backhaul	True
	WAN Mode	DHCP
		Static IP
		PPPOE
		PPTP
		L2TP

Software Specs

Management	Multi-AP Management	Via Cudy AP Controller
	All Devices Management	Wi-Fi Time Schedule
		MAC Filter
		IP/MAC Binding
	Per-Devices Management	Internet On/Off
		VPN On/Off
		Online Time Schedule
	Content Management	Device Rename
		Domain Filter
		IP Filter
Network	QoS	Per-User Rate Limiting
	DHCP	Address Reservation
		DHCP Client List
		Server
	IP Versions	IPv4/IPv6
	IPv6 Protocols	Relay
		Dynamic (SLAAC/DHCPv6)
		Static (Fixed IP)
		Passthrough
		464XLAT
	Multicast IPTV/VLAN	MAP-E
		DS-Lite
		True
		Bridge
		Tag VLAN
		VoIP VLAN



Software Specs

Network	IPTV/VLAN	IPTV VLAN
	TTL Customization	Extend
		Spoof
		Custom
	IGMP	IGMP Proxy
		IGMP Snooping
	Forwarding	Port Forwarding
		Port Triggering
		UPnP
		DMZ
	Firewall	SPI Firewall
		DoS Protection
		Block PING
	Application Layer Gateway	IPSec Passthrough
		L2TP Passthrough
		PPTP Passthrough
		FTP Passthrough
		TFTP Passthrough
		H323 Passthrough
		SIP Passthrough
		RTSP Passthrough
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

Software Specs

Utilities	VPN Server	WireGuard
		OpenVPN
		IPsec
		PPTP
		L2TP
	VPN Client	WireGuard
		OpenVPN
		IPsec
		PPTP
		L2TP
	DNS Options	DNS over TLS
		Manual DNS
		Rebind Protection
		Override Clients' DNS
		DNS over HTTPS
	DNS over TLS Providers	Cloudflare
		Google
		Quad9
		Custom
	Wake on LAN	True
	Online Detection	True
System	LED Control	True
	Local Control Method	Config Web Page
		App Control
	Remote Control Method	Config Page via HTTPS
		App Control
		TR069/TR098/TR111/TR143/TR181



Software Specs

System	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	Hungarian	Russian
		Bengali	Italian	Slovak
		Catalan	Japanese	Swedish
		Czech	Khmer	Thai
		German	Korean	Turkish
		Greek	Dutch	Ukrainian
		Spanish	Norwegian	Vietnamese
		French	Polish	Simplified Chinese
		Hebrew	Portuguese	Traditional Chinese
		Croatian	Romanian	
Dashboard	Panel	Internet Status		
		Mesh Status		
		Devices Management		
		WAN Status		
		LAN Status		
		WISP Status		

Software Specs

Dashboard	Panel	Wi-Fi Status		
		VPN Status		
		DHCP Server Status		
		System Version		
		Charts		
Management	Parental Controls	Mesh Topology		
		Internet Speed		
		WISP Speed		
		Wi-Fi Speed		
		Profiles Settings		
		Offline Time		
		Online Time		
		Pause the Internet		
		Web Filter		