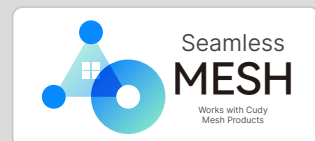




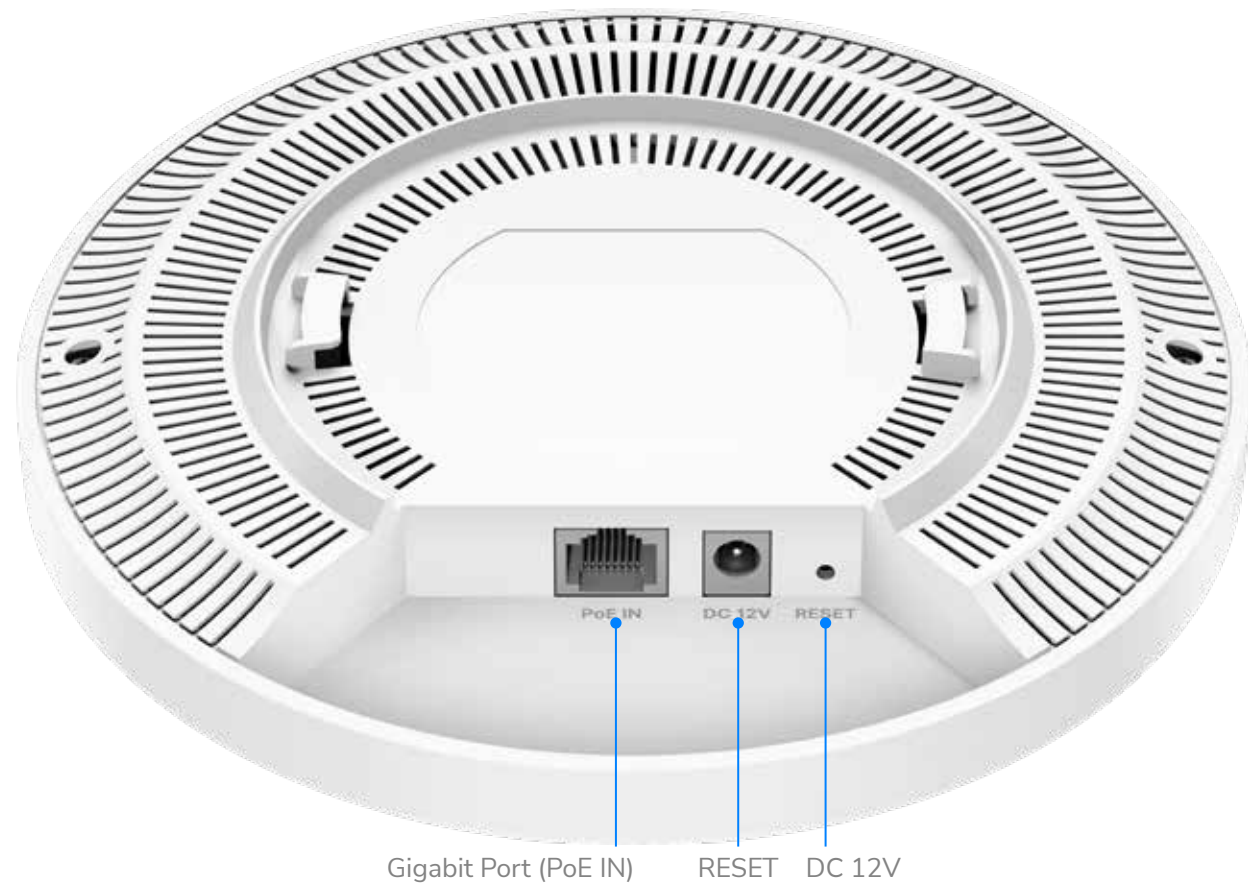
Model: AP3000S

AX3000

Gigabit Wi-Fi 6
Ceiling Mount Access Point



[Datasheet](#)



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.

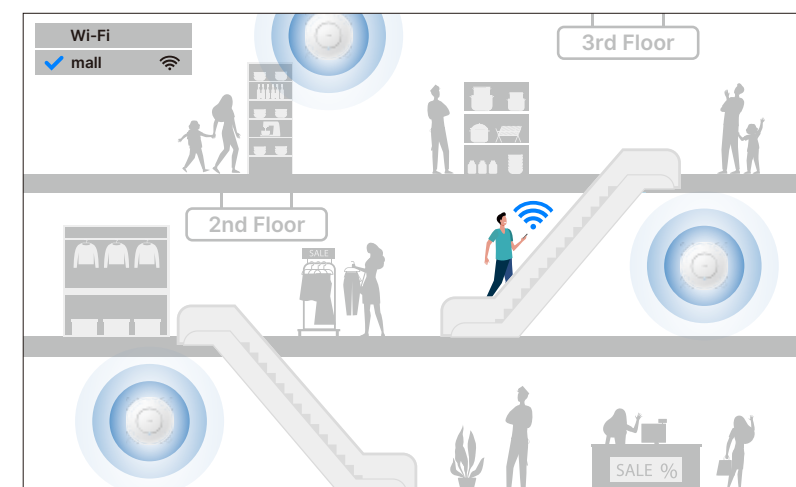
2402 Mbps
5 GHz

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	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")	

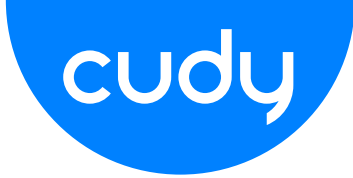


Hardware Specs

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
	Environment	Operating Temperature: -10 °C ~ 65 °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

Hardware Specs

Certifications	FCC, CE	
Mechanical	Installation	Wall-mount Ceiling-mount
	Dimension	Φ171.4×41 mm Φ6.75×1.61 inches
		Ordering Information



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		
WPS	True	
General	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	MAP-E
		DS-Lite
		True
IPTV/VLAN		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
	DNS Options	OpenVPN
		IPsec
		PPTP
		L2TP
		DNS over TLS
		Manual DNS
	DNS over TLS Providers	Rebind Protection
		Override Clients' DNS
DNS over HTTPS		
Cloudflare		
Google		
System	Wake on LAN	True
	Online Detection	True
	LED Control	True
	Local Control Method	Config Web Page
Remote Control Method	App Control	
	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		