cudy

Model: AP3600

BE3600

2.5G Wi-Fi 7 Access Point
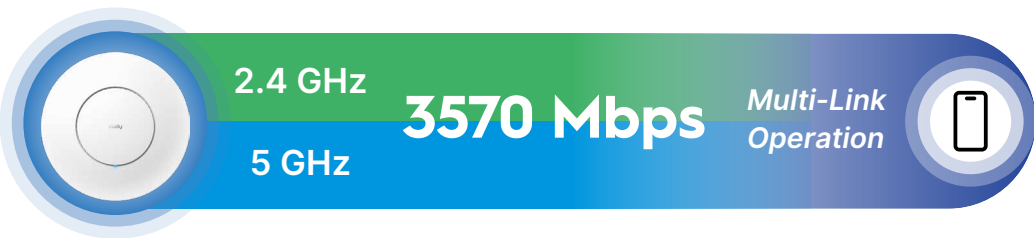
WHOLE HOME
MESH

Datasheet
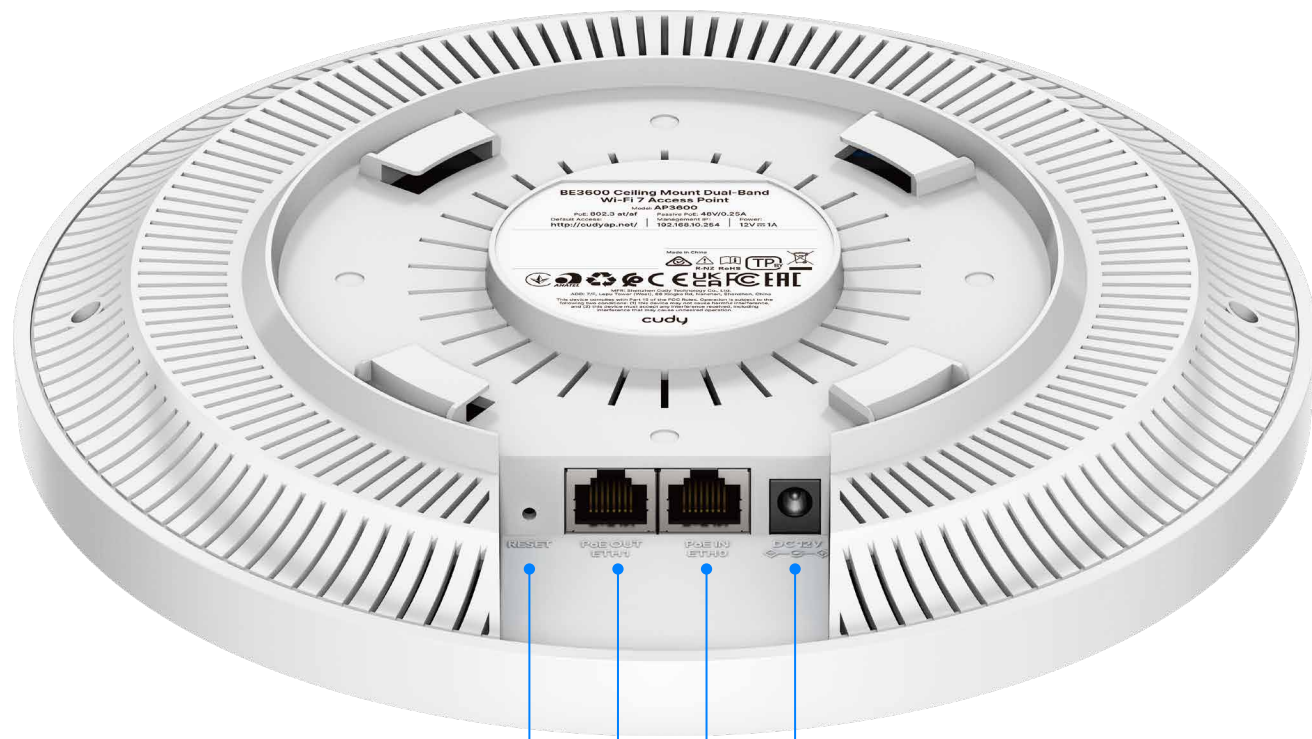
RESET

Gigabit Ethernet Port (PoE Out)

DC

2.5 Gbps Ethernet Port (PoE IN)

Connects More, Stay Fast

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

200+
Devices

Shielded 2.5 Gbps Ethernet Port

Turbocharge the bandwidth with a shielded 2.5G Ethernet port, enabling more devices to stream simultaneously without buffering, even in a complex electromagnetic environment.

Business Network with Dual-Band Wi-Fi 7

Provides lightning-fast and responsive Wi-Fi to your customers, with speeds of up to 3570 Mbps, enabled by Multi-Link Operation (MLO) and 2.0 GHz Quad-Core CPU.

2.4 GHz

3570 Mbps

Multi-Link Operation

5 GHz

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.

Wi-Fi
mall
3rd Floor
2nd Floor
SALE %
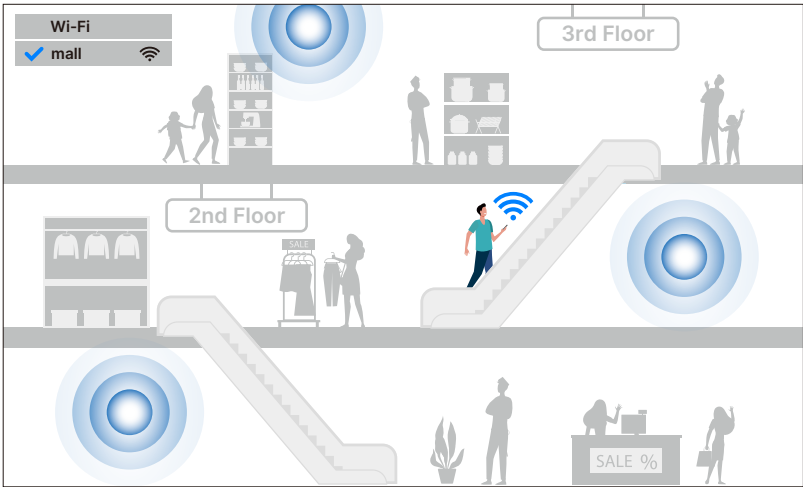
Highlights

A wall/ceiling-mounted WiFi 7 AP designed for malls, offices, campuses, and other high-density scenarios, featuring a 2.5G PoE IN port and a PoE Out port.

- Broadcom 2 GHz Quad-Core CPU
- 4-Stream Dual-Band Wi-Fi 7
- 2882 Mbps + 688 Mbps Wi-Fi
- 1× Shielded 2.5GbE PoE IN
- 1× Shielded GbE PoE Out
- 802.3at, Passive PoE, DC
- Watchdog, Schedule Reboot
- Covers 120 m² (1,300 ft²)
- 200 Connected Devices

Package Content

- AP3600
- Mounting Kit
- Ethernet Cable
- Installation Guide

Hardware Specs

CPU	Chipset	BCM6764
	CPU Details	2.0 GHz Quad-Core, ARM Cortex-A7
Memory/Storage	Flash/ROM	128 MB (1 Gbit) NAND
	DDR/RAM	512 MB (4 Gbit) DDR3L
Wireless	5 GHz Wi-Fi Speed	2882 Mbps
	2.4 GHz Wi-Fi Speed	688 Mbps
	5 GHz Wi-Fi Streams	2T2R (2×2 MIMO)
	2.4 GHz Wi-Fi Streams	2T2R (2×2 MIMO)
	Wi-Fi Antennas	4× Internal
	5 GHz Antenna Gain Max	5.5dBi
	2.4 GHz Antenna Gain Max	5.4dBi
	FEM or PA/LNA	5 GHz: 2× External
		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	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	2.5G RJ45 Ports	1
	Gigabit RJ45 Ports	1
	Ethernet Notes	Accepts PoE powering
	LED	System

Hardware Specs

Interfaces	Physical Buttons	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	48 ~ 57V	
	Power Adapter	AP3600 | Without DC Adapter	
		Input: 100 ~ 240 V, 50/60 Hz AC	
		Output: 12V 1A DC	
		AP3600_P | PoE Adapter in the box:	
		Input: 100 ~ 240 V, 50/60 Hz AC	
		Output: 48V Passive PoE	
	Max Power Consumption (W)	10W	
Reliability	Advanced	Hardware Watchdog	
	EMS	ESD: Contact: 4kV; Air: 8kV	
	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	

Hardware Specs

Certifications	FCC, CE	
Mechanical	Installation	Wall-mount
		Ceiling-mount
Ordering Information	Retail Package Dimension	310×238×73 mm
		12.2×9.37×2.87 inches
	Units per Carton	10
	Carton Dimension	49.5×38.7×33.2 cm
		19.49×15.24×13.07 inches

Software Specs

Wireless	Wi-Fi Standards	Wi-Fi 7
	Max Wi-Fi Modulation	4K-QAM
	Wi-Fi Efficiency	MLO
		MRU
		Puncturing
		OFDMA
		MU-MIMO
		BSS Color

Software Specs

Wireless	Max Capacity	512
	Recommended Client Upper Limit	200
	Max Wi-Fi Channel Width	160 MHz
	Wi-Fi Security	WPA/WPA2/WPA3
	Multi-SSID (Max Number)	TBD
	WPS	True
General	Operation Modes	Wi-Fi Router
		Access Point
	Mesh	Cudy Mesh
	Mesh Backhaul	Wireless Backhaul
		Wired Backhaul
	Multi-Band Backhaul	True
	WAN Mode	DHCP
		Static IP
		PPPOE
		PPTP
		L2TP
Network	QoS	Per-User Rate Limiting
	DHCP	Address Reservation
		DHCP Client List
		Server
	IP Versions	IPv4/IPv6

Software Specs

Network	IPv6 Protocols	Relay
		Dynamic (SLAAC/DHCPv6)
		Static (Fixed IP)
		Passthrough
		464XLAT
		MAP-E
		DS-Lite
	IPTV/VLAN	Bridge
		Tag VLAN
		VoIP 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

Software Specs

Network	Application Layer Gateway	IPSec Passthrough
		L2TP Passthrough
		PPTP Passthrough
		FTP Passthrough
		TFTP Passthrough
		H323 Passthrough
		SIP Passthrough
		RTSP Passthrough
Utilities	Captive Portal	True
	VPN Server	WireGuard
		OpenVPN
		IPsec
		Zerotier
		PPTP
		L2TP
	VPN Client	WireGuard
		OpenVPN
		IPsec
		Zerotier
		PPTP
		L2TP

Software Specs

Utilities	DNS Options	DNS over TLS
		Manual DNS
		Rebind Protection
		Override Clients' DNS
	DNS over TLS Providers	Cloudflare
		Google
		Quad9
		Custom
	Wake on LAN	True
	Online Detection	True
Management	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
System	LED Control	True
	Local Control Method	Config Web Page
		App Control

Software Specs

System	Remote Control Method	Config Page via HTTPS
		App Control
		TR069/TR098/TR111/TR181
	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	IInternet Status
		Mesh Status
		Devices Management
		WAN Status
		LAN Status
		Wi-Fi Status
		VPN Status
		DHCP Server Status
		System Version
	Charts	Mesh Topology
		Internet Speed
		Wi-Fi Speed