

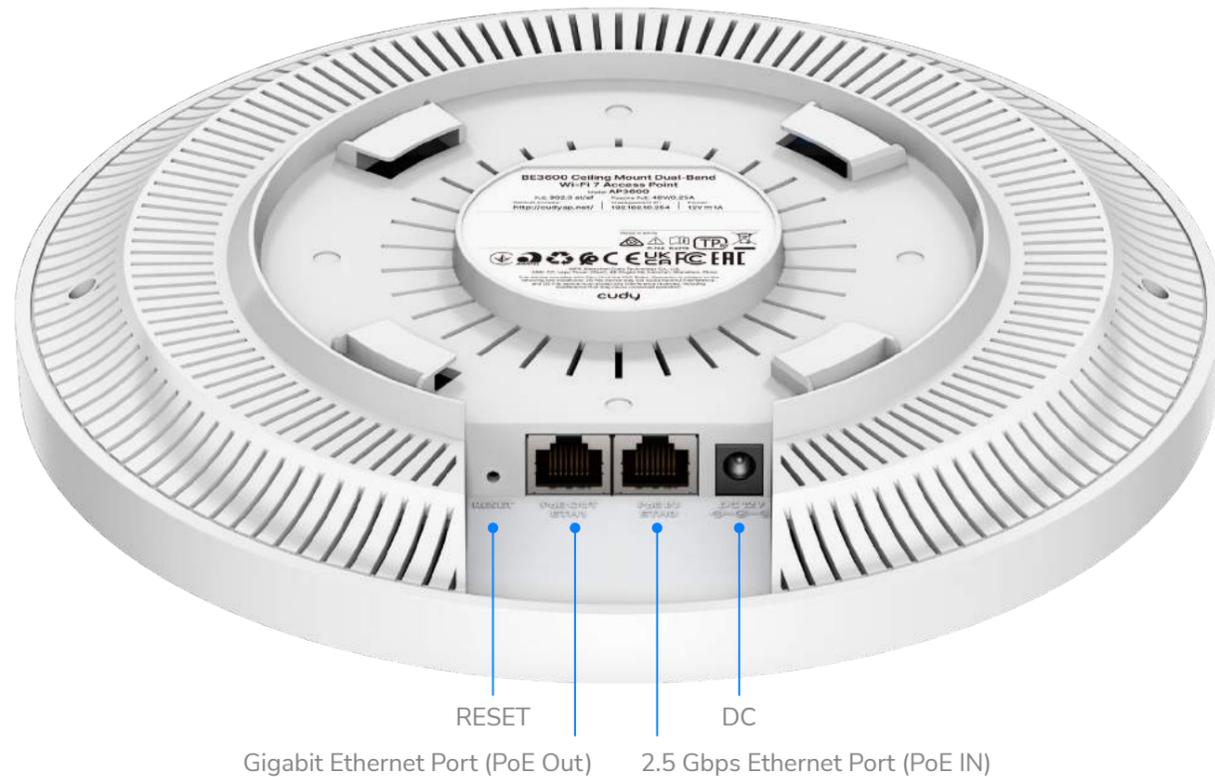


Model: AP3600

BE3600

2.5G Wi-Fi 7 Access Point





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.

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 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
	IGMP	IGMP Proxy IGMP Snooping
		Forwarding
	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
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		<ul style="list-style-type: none"> • 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
		WAN Status
		LAN Status
		Wi-Fi Status
		VPN Status
		DHCP Server Status
		System Version
		Charts
		Mesh Topology
		Internet Speed
		Wi-Fi Speed