

Model: AP11000

BE11000

Multi-Gigabit Tri-band
Wi-Fi 7 Mesh Access Point





Highlights

- Qualcomm 1.5 GHz Quad-Core CPU
- 6-Stream Tri-Band Wi-Fi 7
- 5.7 Gbps + 4.3 Gbps + 688 Mbps
- 1× 10G SFP+
- 1× Shielded 2.5GbE PoE In
- 802.3at, Passive PoE, DC
- Watchdog, Schedule Reboot
- Covers 140 m² (1,500 ft²)
- 300 Connected Devices

Package Content

- AP11000
- Power Adapter
- Mounting Kit
- Ethernet Cable
- Installation Guide

Hardware Specs

CPU	Chipset	Qualcomm IPQ5322
	CPU Details	1.5 GHz Quad-Core CPU
Memory/Stroage	Flash/ROM	128 MB (1 Gbit) NAND
	DDR/RAM	512 MB (4 Gbit) DDR4
Wireless	6 GHz Wi-Fi Speed	5760 Mbps
	5 GHz Wi-Fi Speed	4320 Mbps
	2.4 GHz Wi-Fi Speed	688 Mbps
	6 GHz Wi-Fi Streams	2T2R (2x2 MIMO)
	5 GHz Wi-Fi Streams	2T2R (2x2 MIMO)
	2.4 GHz Wi-Fi Streams	2T2R (2x2 MIMO)
	Wi-Fi Antennas	6× Internal
	6 GHz Anntenna Gain Max	5.5 dBi
	5 GHz Anntenna Gain Max	4.9 dBi
	2.4 GHz Antenna Gain Max	5.8 dBi
	FEM or PA/LNA	6 GHz: 2× High-Power
		5 GHz: 2× High-Power
		2.4 GHz: 2× Standard
	Beamforming	True
	Range Performance	Max: 260 m (853 ft)
		Indoor WiFi range varies depending on the layout and wall materials. See Wall Performance spec for placement suggestions.



Hardware Specs

Wireless	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	10G SFP+ Slots	1
	2.5G RJ45 Ports	1
	Ethernet Notes	The RJ45 port accepts PoE powering
	LED	System
	Physical Buttons	Reset Button
	Power Input	DC Jack, PoE via Ethernet Port
Power	Power Methods	DC
		Passive PoE
		802.3at PoE
	DC	12V 2A
	Passive PoE	48 ~ 57V
	Power Adapter	AP11000 DC Adapter in the box:
		Input: 100 ~ 240 V, 50/60 Hz AC
		Output: 12V 2A DC
		AP11000_P PoE Adapter in the box:
		Input: 100 ~ 240 V, 50/60 Hz AC
		Output: 48V Passive PoE
	Max Power Consumption (W)	20 W
	Idle Power Consumption (W)	12 W

Reliability	Advanced	Hardware Watchdog
	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
Certifications	FCC, CE	
Mechanical	Installation	Wall-mount
		Ceiling-mount
Ordering Information	Retail Package Dimension	310x238x73 mm
		12.2x9.37x2.87 inches
	Units per Carton	10
	Carton Dimension	49.5x38.7x33.2 cm
		19.49x15.24x13.07 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
	Max Capacity	384
	Recommended Client Upper Limit	300
	Max Wi-Fi Channel Width	320 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	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
	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



Software Specs

Network	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
	VPN Server	WireGuard
		OpenVPN
		IPsec
		Zerotier
		PPTP
		L2TP

Utilities	VPN Client	WireGuard
		OpenVPN
		IPsec
		Zerotier
		PPTP
		L2TP
	DNS Options	DNS over TLS
		Manual DNS
		Rebind Protection
		Override Clients' DNS
	DNS over TLS Providers	Cloudflare
		Google
		Quad9
		Custom
Management	Wake on LAN	True
	Online Detection	True
	All Devices Management	Wi-Fi Time Schedule
		MAC Filter
		IP/MAC Binding
		Internet On/Off
	Per-Devices Management	VPN On/Off
		Online Time Schedule
		Device Rename
	Content Management	Domain Filter
		IP Filter



Software Specs

System	LED Control	Ture
	Local Control Method	Config Web Page
		App Control
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

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