Omada Pro

Business Cloud SDN Solution

Omada Pro AP - Business Wi-Fi Series

Omada Pro SDN Controller

AP9635

Product List

Ceiling Mount AP		
Picture		
Model		AP9635
Product	Omada Pro AX1800 Ceiling Mount Wi-Fi 6 Access Point	
Speed	2.4 GHz: 574 Mbps 5 GHz: 1201 Mbps	
Ethernet Port	1x Gigabit Ethernet Port	
Power Supply	48V Passive PoE or 802.3at PoE or 12V/1.5A DC	
Internal Antennas	2.4 GHz: 2 x 4 dBi 5 GHz: 2 x 5 dBi	

Specifications

Ceiling Mount AP

Model		AP9635
Name		Omada Pro AX1800 Ceiling Mount Wi-Fi 6 Access Point
Main Design	LAN Interfaces	1x Gigabit Ethernet Port
	Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax
	Maximum Data Rate	574 Mbps (2.4 GHz) +1201 Mbps (5 GHz)
	Wireless Client Capacity	1000+
	Bluetooth	Supported
	Antennas	2.4 GHz: 2x 4 dBi 5 GHz: 2x 5 dBi
	Transmit Power	CE: < 20 dBm (2.4GHz, EIRP); < 23dBm (5 GHz, band1&band 2, EIRP);< 30 dBm (5 GHz,band 3, EIRP); FCC: < 25 dBm (2.4 GHz); < 25 dBm (5 GHz)
	Reception Sensitivity	2.4GHz: 11AX 20MHz MCS0: -95 11AX 20MHz MCS11: -66 11AX 40MHz MCS0: -93 11AX 40MHz MCS11: -63 5GHz: 11AX 20MHz MCS0: -95 11AX 20MHz MCS11: -65 11AX 40MHz MCS0: -91 11AX 40MHz MCS11: -63 11AX 80MHz MCS0: -89 11AX 80MHz MCS11: -58
Centralized Management	Omada Software Controller Pro	•
	Omada Cloud-based Controller Pro	•
	Omada APP	•
Security	WIDS/WIPS	•
	Captive Portal Authentication	•
	Access Control	•
	Maximum number of MAC Filter	4000
	Wireless Isolation between Clients	•
	VLAN	•
	Rogue AP Detection	•
	Wireless Encryption	WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise
	802.1X Support	•

Ceiling Mount AP		
Model	AP9635	
Wireless Function	Multiple SSIDs	16 (8 on each band)
	Channel	US: **2G:**1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 **5G:** 36, 40, 44, 48, 149, 153, 157, 161 EU: **2G:**1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 **5G:** 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128
	Enable/Disable Wireless Radio	•
	Enable/Disable SSID Broadcast	•
	Guest Network	•
	Automatic Channel Assignment	•
	Transmit Power Control	Adjust transmit Power on dBm
	QoS (WMM)	•
	Seamless Roaming	•
	Mesh	•
	Beamforming	•
	MU-MIMO	2*2 MU-MIMO DL
	OFDMA	OFDMA UL/DL
	Rate Limit	Based on SSID/Client
	Load Balance	•
	Airtime Fairness	•
	Band Steering	•
	RADIUS Accounting	•
	PPSK Pro	•
	Hotspot 2.0	• (*To be supported with subsequent software update)
	MAC Authentication	•
	Reboot Schedule	•
	Wireless Schedule	•
	Wireless Statistics	•
	Static IP/Dynamic IP	•
	802.11ax	8 Mbps to 1201 Mbps (MCS0-MCS11, NSS = 1 to 2 HE20/40/80)
	802.11ac	6.5 Mbps to 1083.3 Mbps (MCS0-MCS11, NSS = 1 to 2 VHT20/40/80)
	802.11n	6.5 Mbps to 300 Mbps (MCS0-MCS15, HT20/40)
	802.11g	6, 9, 12, 18, 24, 36, 48 ,54 Mbps
	802.11b	1, 2, 5.5, 11 Mbps
	802.11a	6, 9, 12, 18, 24, 36, 48 ,54 Mbps

Ceiling Mount AP		
Model	AP9635	
Management	Intelligent Anomaly Detection and Analysis	•
	Intelligent Network Optimization	•
	LED ON/OFF Control	•
	Management MAC Access Control	•
	Web-based Management	•
	SNMP	v1, v2c, v3
	SSH	•
	Restore & Backup	•
	Firmware update via Web	•
	NTP	•
	System Log	•
	Email Alerts	•
Physical & Environment	Power Supply	48V Passive PoE or 802.3at PoE or 12V/1.5A DC
	Maximum Power Consumption	V2: US 15W(For PoE), 13.5W(For DC) EU 14.5W(For PoE), 13.3W(For DC) V1: EU: 14.4 W (For PoE); 13.1 W (For DC) US: 14.9 W (For PoE); 13.4 W (For DC)
	Reset	•
	Mounting	Ceiling / Wall mouting (Kits included) / Junction Box mouting
Others	Certifications	CE, FCC, RoHS
	Dimensions (W x D x H)	160 x 160 x 33.6 mm
	Net Weight	356g
	Enclosure Material / Rack Material	Top cover: PC Bottom shell: aluminum alloy Mounting rack: stainless steel
	Lightning Protection	Air discharge: ±8kV Contact discharge: ±4kV Common mode: 10/700: ±4kV
	Environment	Operating Temperature: 0 °C–40 °C (32 °F–104 °F); Storage Temperature: -40 °C–70 °C (-40 °F–158 °F); Operating Humidity: 10%–90% non-condensing; Storage Humidity: 5%–90% non-condensing;

Antenna Radiation Patterns

Ceiling Mount AP

	Elevation-0°	Elevation-90°	Azimuth	Mapped 3D
2.45 GHz				
5.25 GHz				
5.5 GHz				
5.75 GHz				

AP9635

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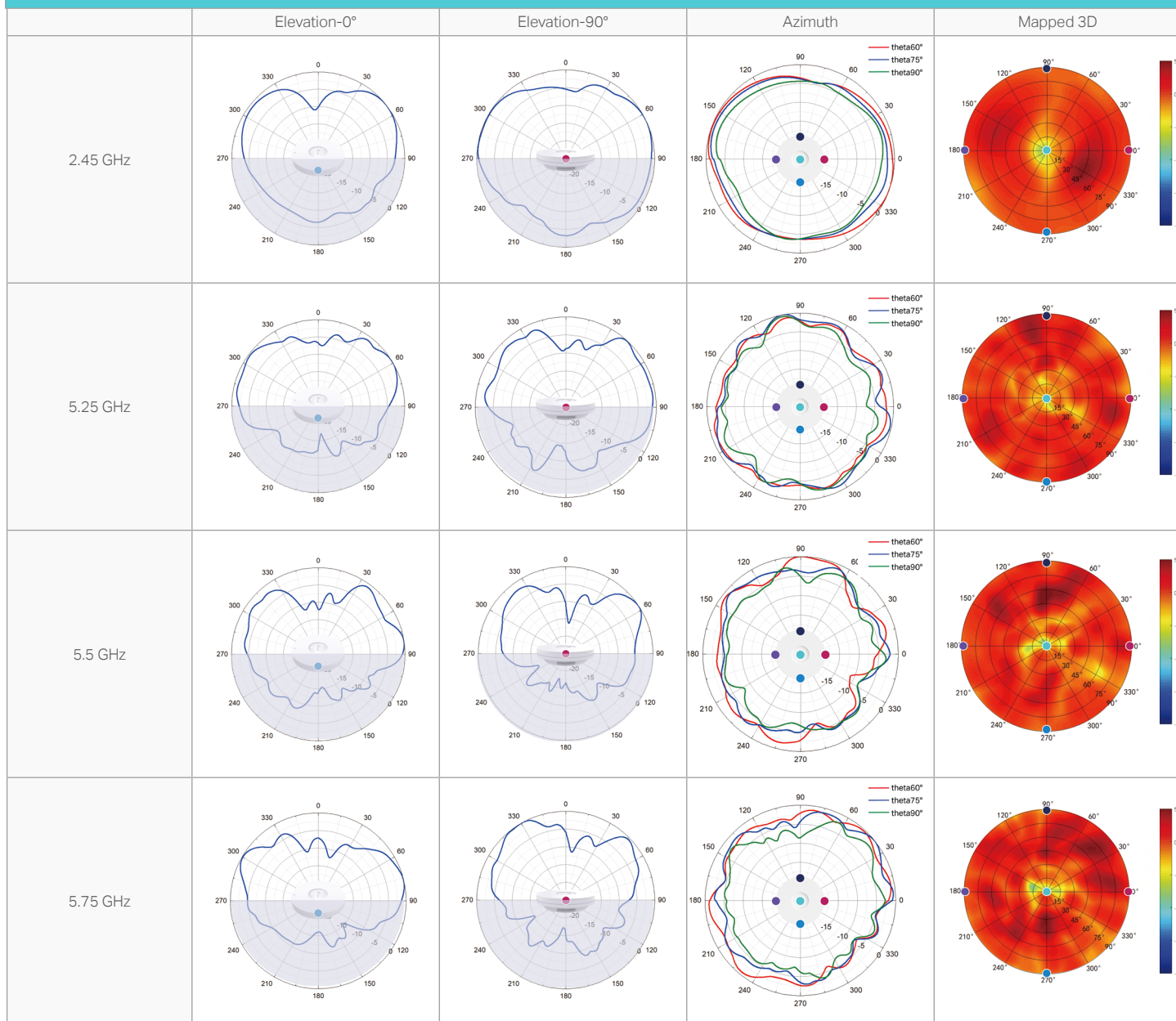
Disclaimers

Wireless Speed and Range Disclaimer

Maximum wireless transmission rates are the physical rates derived from IEEE Standard 802.11 specifications. Range and coverage specifications were defined according to test results under normal usage conditions. Actual wireless transmission rate and wireless coverageare not guaranteed, and will vary as a result of 1) environmental factors, including building materials, physical objects and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead and 3) client limitations, including rated performance, location, connection quality, and client condition.

Wireless Client Capacity Disclaimer

Wireless client capacity specifications were defined according to test results under normal usage conditions. Actual wireless client capacity is not guaranteed, and will vary as a result of 1) environmental factors, including building materials, physical objects and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead and 3) client limitations, including rated performance, location, connection quality, and client condition.

Ethernet Port Limitation Disclaimer

Actual network speed may be limited by the rate of the product's Ethernet WAN or LAN port, the rate supported by the network cable, Internet service provider factors and other environmental conditions.

MU-MIMO Disclaimer

(Only for certain devices)
MU-MIMO capability requires client devices that also support MU-MIMO.

Seamless Roaming Disclaimer

(Only for certain devices)
Seamless roaming requires both the access point and client devices to support 802.11k and 802.11v protocols.

Lightning and Electro-Static Discharge Protection Disclaimer

(Only for outdoor devices)
Protection against lightning and electro-static discharge may be achieved through proper product setup, grounding and cable shielding. Refer to the instruction manual and consult an IT professional to assist with setting up this product.

PoE Disclaimer

PoE budget calculations are based on laboratory testing. Actual PoE power budget is not guaranteed and will vary as a result of client limitations and environmental factors.

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