tp-link | Omada Pro

Omada Pro Business Cloud SDN Solution

Omada Pro AP - Business Wi-Fi Series



Omada Pro SDN Controller



AP9665

Product List

Ceiling Mount AP	
Picture	
Model	AP9665
Product	Omada Pro AX3600 Ceiling Mount Wi-Fi 6 Access Point
Speed	2.4 GHz: 1148 Mbps 5 GHz: 2402 Mbps
Ethernet Port	1x 2.5G Ethernet Port + 1x 1G Ethernet Port
USB Support	1x USB 3.0 Port
Power Supply	802.3bt PoE or 12V/2.5A DC
Internal Antennas	2.4 GHz: 4 x 4 dBi 5 GHz: 4 x 4 dBi

Specifications

Ceiling Mount AP		
Model		AP9665
Name		Omada Pro AX3600 Ceiling Mount Wi-Fi 6 Access Point
Main Design	LAN Interfaces	1x 2.5G Ethernet Port + 1x 1G Ethernet Port
	USB Support	1x USB 3.0 Port
	Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax
	Maximum Data Rate	1148 Mbps (2.4 GHz) +2402 Mbps (5 GHz)
	Wireless Client Capacity	1000+
	Bluetooth	Supported
	Antennas	2.4 GHz: 4 x 4 dBi 5 GHz: 4 x 4 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 HE20 MCS0:-95dBm; 11ax HE20 MCS11:-66dBm 11ax HE40 MCS0:-93dBm; 11ax HE40 MCS11:-64dBm 5GHz: 11ax HE20 MCS0:-94dBm; 11ax HE20 MCS11:-64dBm 11ax HE40 MCS0:-91dBm; 11ax HE40 MCS11:-61dBm 11ax HE80 MCS0:-88.5dBm; 11ax HE80 MCS11:-58dBm
Centralized Management	Omada Pro Software Controller	•
	Omada Pro Cloud-based Controller	•
	Omada Software Controller	•
	Omada Hardware Controll	•
	Omada Cloud-based Controller	•
	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		AP9665
Wireless Function	Multiple SSIDs	16 (8 on each band)
	Channel	US: 2G:1 - 11; 5G: 36,40,44,48,149,153,157,161,165 EU: 2G:1 - 13; 5G: 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140
	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	4x4 MU-MIMO DL
	OFDMA	UL/DL OFDMA
	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

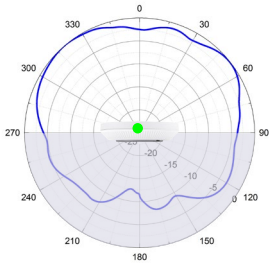
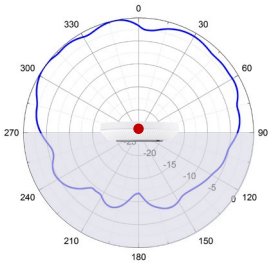
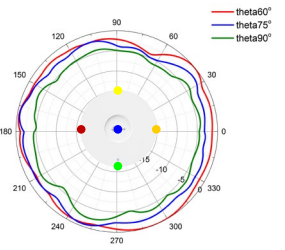
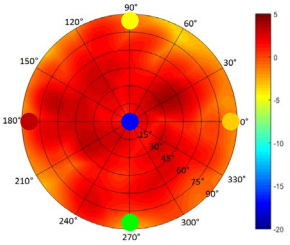
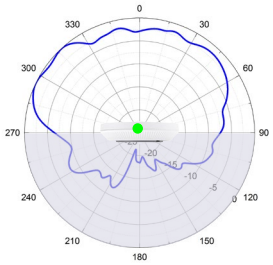
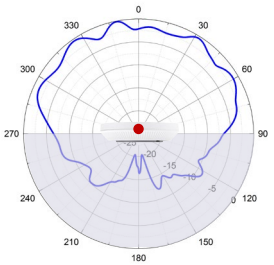
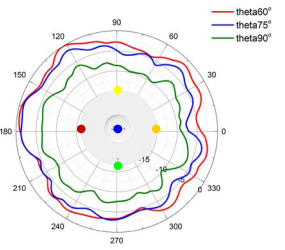
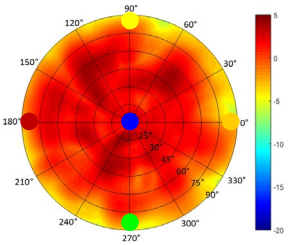
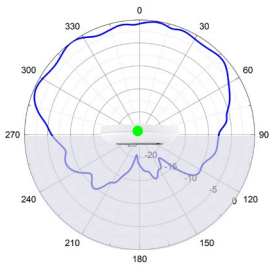
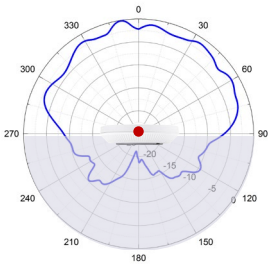
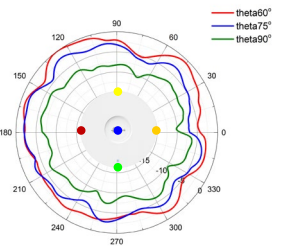
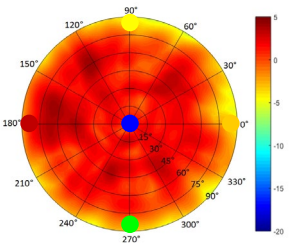
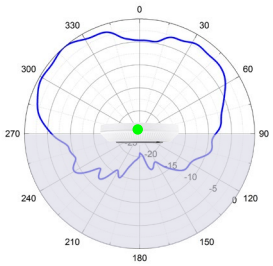
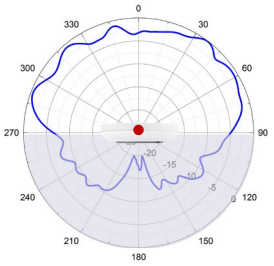
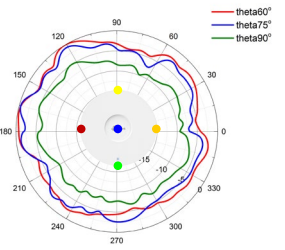
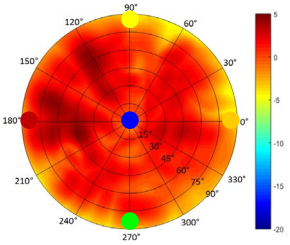
Ceiling Mount AP

Model		AP9665
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	802.3bt PoE or 12V/2.5A DC
	Maximum Power Consumption	28 W (For PoE); 27 W (For DC)
	Reset	•
	Mounting	Ceiling / Wall mouting (Kits included) / Junction Box mouting
Others	Certifications	CE, FCC
	Dimensions (W x D x H)	220 x 220 x 32.5 mm
	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

AP9665

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

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.

Some models featured in this guide may be unavailable in your country or region. Visit TP-Link website for local sales information: www.tp-link.com. Specifications are subject to change without notice.
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