

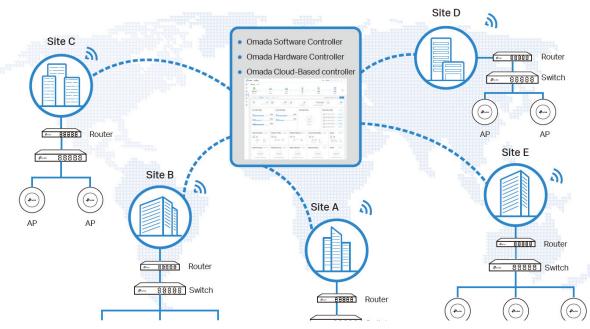


Omada Solution



Software Defined Networking (SDN) with Cloud Access

Omada Software Defined Networking (SDN) platform integrates network devices, including access points, switches and gateways, providing 100% centralized cloud management. Omada creates a highly scalable network—all controlled from a single interface. Seamless wireless and wired connections are provided, ideal for use in hospitality, education, retail, offices, and more.





tp-link

Hassle-Free Centralized Cloud Management

100% centralized cloud management of the whole network from different sites——all controlled from a single interface anywhere, anytime.



Zero-Touch Provisioning for Efficient Deplyment

Omada zero-touch provisioning allows remotely deployment and configuration of multi-site networks, so there's no need to send out an engineer for on-site configuration. The Omada Cloud ensures efficient deployment with lower costs.



1. Zero-Touch Provisioning is supported when using Omada-Cloud Based Controller



Al-Driven Technology for Stronger Performance and Easy Network Maintenance

Intelligent Network Analysis, Warning, and Optimization*

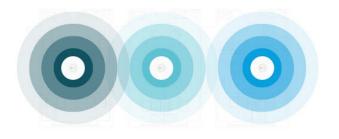
- Analyzes potential network problems and sends optimization suggestions for higher network efficiency
- Locates network faults, warns and notify users, and generates solutions to reduce network risk



*Intelligent Network Analysis, Warning, and Optimization are being developed and are scheduled to be released in 2020

Auto Channel Selection and Power Adjustment

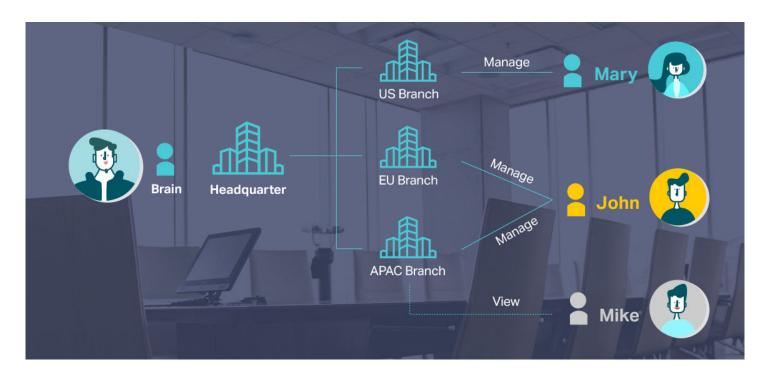
Provides powerful wireless performance while greatly reducing Wi-Fi interference by automatically adjusting the channel settings and transmission power levels of neighboring APs in the same network.



Channel 1
 Channel 11
 Channel 6

Assign Different Management Roles

Multi-tenant privilege assignment is available to increase management efficiency and security. Multi-person management, multi-level permissions, and the ability to add admins as needed, enable flexible network operation and maintenance.

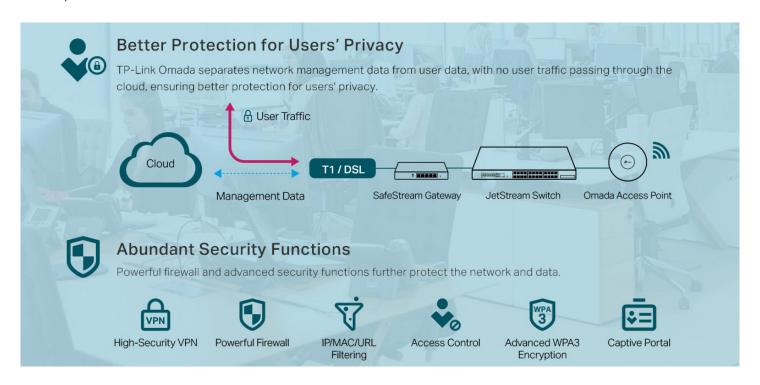


Easy and Intelligent Network Monitoring

The easy-to-use dashboard makes it easy to see your real-time network status; check network usage and traffic distribution; receive network condition logs, abnormal event warnings, and notifications; or even track key data for better business results. Network topology helps IP admins quickly see and troubleshoot connection at a glance.



Comprehensive Protection for the Whole Network



Multiple Factors Guarantee Higher Reliability

Higher reliability of cloud service is guaranteed with 99.99% SLA availability, 24/7 automated fault detection, geographically isolated backup servers, and reliable product quality. Your network functions even if management traffic is interrupted.



Reliable Connections Even with High-Density Clients

Equipped with enterprise chipsets, dedicated antennas, advanced RF functions, auto channel selection, and power adjustment, Omada Wi-Fi 6 and Wi-Fi 5 APs have high concurrency capacities for remarkable performance in high-density environments.



EAP Product Features

Easy-Mount Design

The Ceiling Mount EAP's elegant appearance and easy-mount design promote fast installation on any wall or ceiling surface, and allow it to blend in seamlessly with most interior decorating styles. The slimline, inconspicuous Wall Plate EAP can be easily installed into any standard EU/US wall junction box or 86 mm wall junction box.

PoE Power Supply

With IEEE 802.3af/at PoE or Passive PoE, you can use Ethernet cables to transfer both electrical power and network data, making deployment more flexible and removing the need to install additional power cabling.

Business-Class Hardware Design

Enterprise-class chipsets offer outstanding performance and support longer running time, higher client capacity and greater range. Dedicated high-power amplifiers, specialized antennas and professionally designed RF shields ensure excellent wireless performance.

Seamless Roaming

802.11k and 802.11v seamless roaming provide seamless switching to the access point with optimal signal when moving between APs.

Mesh²

Omada Mesh technology enables wireless connectivity between access points for extended range, making wireless deployments more flexible and convenient.

Increased Efficiency with OFDMA³

The Wi-Fi 6 standard uses OFDMA for more efficient channel use and reduced latency. Imagine your WiFi connection as a series of delivery trucks delivering data packets to your devices. With 802.11ac Wi-Fi, each delivery truck could only deliver one parcel to one device at a time. But with OFDMA, each truck can deliver multiple parcels to multiple devices simultaneously. This vast improvement in efficiency works for both uploads and downloads.

Advanced RF Management

MU-MIMO, Airtime Fairness, Beamforming, and Band Steering Technologies guarantee optimal RF performance for business-level applications.

Easy Centralized Management

Configure and monitor hundreds of Omada EAPs with ease using the Omada controller.

- 1. Only EAP660 HD, EAP620 HD, EAP265 HD, EAP245 V3, EAP225 V3, and EAP225-Outdoor support seamless roaming.
- 2. Only EAP225-Outdoor and EAP 225 v3 with specific firmware are available for Mesh. EAP265 HD and EAP245 V3 will support mesh soon.
- 3. Only EAP660 HD and EAP620 HD support OFDMA.



EAP Product List

Ceiling Mount AP							
Picture	Quin 1	Quin 1	pur .	ĝ.	ĝ.	i de la constante de la consta	Q-ss
Model	EAP660 HD	EAP620 HD	EAP265 HD	EAP245	EAP225	EAP115	EAP110
Product	AX3600 Wireless Dual-Band Multi- Gigabit Ceiling Mount Access Point	AX1800 Wireless Dual-Band Gigabit Ceiling Mount Access Point	AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point	AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point	AC1350 Wireless MU-MIMO Gigabit Ceiling Mount Access Point	300Mbps Wireless N Ceiling Mount Access Point	300Mbps Wireless N Ceiling Mount Access Point
Speed	2.4 GHz: 4*4 11ax, 1148 Mbps 5 GHz: 4*4 11ax, 2402 Mbps	2.4 GHz: 2*2 11ax, 574 Mbps 5 GHz: 2*2 11ax, 1201 Mbps	2.4 GHz: 450Mbps 5 GHz: 1300Mbps	2.4 GHz: 450Mbps 5 GHz: 1300Mbps	2.4 GHz: 450Mbps 5 GHz: 867Mbps	2.4 GHz: 300Mbps	2.4 GHz: 300Mbps
Ethernet Port	1 x 2.5Gbps Ethernet Port	1 x Gigabit Ethernet Port	2 x Gigabit Ethernet Port	2 x Gigabit Ethernet Port	1 x Gigabit Ethernet Port	1 x 10/100Mbps Ethernet Port	1 x 10/100Mbps Ethernet Port
Power Supply	802.3at PoE / 12V DC	802.3at PoE / 12V DC	802.3af PoE / 48 V Passive PoE	802.3af PoE / 48 V Passive PoE	802.3af PoE / 24V Passive PoE	802.3af PoE / External 9 V/0.6 A DC power supply	24V Passive PoE
Internal Antennas	2.4 GHz: 4 x 5 dBi 5 GHz: 4 x 6 dBi	2.4 GHz: 2 x 5 dBi 5 GHz: 2 x 6 dBi	2.4 GHz: 3 x 3.5 dBi 5 GHz: 3 x 4 dBi	2.4 GHz: 3 x 3.5 dBi 5 GHz: 3 x 4 dBi	2.4 GHz: 3 x 4 dBi 5 GHz: 2 x 5 dBi	2 x 4 dBi	2 x 4 dBi

Wall Plate AP					
Picture	Ø===	0 •	Фэн.	он О ■	
Model	EAP235-Wall	EAP230-Wall	EAP225-Wall	EAP115-Wall	
Product	Omada AC1200 Wireless MU-MIMO Gigabit Wall Plate Access Point	Omada AC1200 Wireless MU-MIMO Gigabit Wall- Plate Access Point	Omada AC1200 Wireless MU-MIMO Wall-Plate Access Point	300Mbps Wireless N Wall-Plate Access Point	
Speed	2.4 GHz: 300 Mbps 5 GHz: 867 Mbps	2.4 GHz: 300 Mbps 5 GHz: 867 Mbps	2.4 GHz: 300 Mbps 5 GHz: 867 Mbps	2.4 GHz: 300 Mbps	
Ethernet Port	4 x 10/100/1000 Mbps RJ45 Ports	2 x 10/100/1000 Mbps RJ45 Ports	4 x 10/100 Mbps RJ45 Ports	2 x 10/100 Mbps RJ45 Ports	
Power Supply	802.3af/at PoE	802.3af/at PoE	802.3af/at PoE	802.3af PoE	
Internal Antennas	2.4 GHz: 2 x 4 dBi 5 GHz: 2 x 4 dBi	2.4 GHz: 2 x 4 dBi 5 GHz: 2 x 3.6 dBi	2.4 GHz: 2 x 3 dBi 5 GHz: 2 x 4 dBi	2 x 1.8 dBi	

Outdoor AP		
Picture		
Model	EAP225-Outdoor	EAP110-Outdoor
Product	AC1200 Wireless MU-MIMO Gigabit Indoor/Outdoor Access Point	300Mbps Wireless N Outdoor Access Point
Speed	2.4 GHz: 300Mbps 5 GHz: 867Mbps	2.4 GHz: 300Mbps
Ethernet Port	1 Gigabit RJ45 Port	1 10/100Mbps RJ45 Port
Power Supply	802.3af PoE / 24V Passive PoE	24V Passive PoE
Internal Antennas	2 Dual-Band Omni Antennas (External Detachable) 2.4 GHz: 3 dBi; 5 GHz: 4 dBi	2 Omni Antennas (External Detachable) 2.4 GHz: 3 dBi

Specifications

Ceiling Mount 802.	11ax AP			
Model		EAP660 HD	EAP620 HD	
Name		AX3600 Wireless Dual-Band Multi-Gigabit Ceiling Mount	AX1800 Wireless Dual- Band Gigabit Ceiling Mount	
		Access Point	Access Point	
	LAN Interfaces	1 x 2.5Gbps Ethernet Port	1 x Gbps Ethernet Port	
	Wi-Fi Standards	IEEE 802.11ax/ac/n/g/b/a		
	Maximum Data Rate	1148 Mbps (2.4 GHz)	574 Mbps (2.4 GHz)	
	Waximam Bata Nate	+2402 Mbps (5 GHz)	+1201 Mbps (5 GHz)	
Main Design	Antennas	2.4 GHz: 4 x 5 dBi	2.4 GHz: 2 x 5 dBi	
, and the second		5 GHz: 4 x 6 dBi	5 GHz: 2 x 6 dBi	
		CE: < 20 dBm (2.4 GHz, EIRP);	CE: < 20 dBm (2.4 GHz, EIRP);	
	Transmit Power	< 23 dBm (5 GHz, EIRP)	< 23 dBm (5 GHz, EIRP)	
		FCC: < 24 dBm (2.4 GHz); < 24	FCC: < 23 dBm (2.4 GHz); <	
		dBm (5 GHz)	23 dBm (5 GHz)	
	Omada Software Controller	•		
Centralized Management	Omada Hardware Controller	•		
	Omada APP	•		
	Captive Portal Authentication	•		
	Access Control	•		
	Maximum number of MAC Filter	4000		
	Wireless Isolation between	•		
Security	Clients			
	VLAN	•		
	Rogue AP Detection	•	W.D.A.O. D	
	Wireless Encryption	WEP, WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise		
	802.1X Support	•		
	Multiple SSIDs	16 (8 on each band)		
	Enable/Disable Wireless Radio	•		
	Enable/Disable SSID Broadcast	•		
	Guest Network	•		
	Automatic Channel Assignment	•		
	Transmit Power Control	Adjust transmit Power on d	Bm	
	QoS (WMM)	•		
	Seamless Roaming	•		
	Mesh	-		
	Beamforming	•		
Wireless Function	MU-MIMO	•		
	Rate Limit	Based on SSID/Client		
	Load Balance	•		
	Airtime Fairness	•		
	Band Steering	•		
	RADIUS Accounting	•		
	MAC Authentication	•		
	Reboot Schedule	•		
	Wireless Schedule	•		
	Wireless Statistics	•		
	Static IP/Dynamic IP	•		



Ceiling Mount 802	Ceiling Mount 802.11ax AP					
Model		EAP660 HD	EAP620 HD			
		8 Mbps to 2402 Mbps	8 Mbps to 1201 Mbps			
	802.11ax	(MCS0-MCS11, NSS = 1 to 4	(MCS0-MCS11, NSS = 1 to 2			
		HE20/40/80)	HE20/40/80)			
		6.5 Mbps to 2166.7 Mbps	6.5 Mbps to 1083.3 Mbps			
	802.11ac	(MCS0-MCS11, NSS = 1 to 4	(MCS0-MCS11, NSS = 1 to 2			
Support Data Rates		VHT20/40/80)	VHT20/40/80)			
	802.11n	6.5 Mbps to 600 Mbps(MSC0-	6.5 Mbps to 300 Mbps			
	502.1111	MCS31, HT20/40)	(MCS0-MCS15, HT20/40)			
	802.11g	6, 9, 12, 18, 24, 36, 48 ,54 Mbps	5			
	802.11b	1, 2, 5.5, 11 Mbps				
	802.11a	6, 9, 12, 18, 24, 36, 48 ,54 Mbps	S			
	LED ON/OFF Control	•				
	Management MAC Access Control	•				
	Web-based Management	•				
	Telenet	•				
	SNMP	VMP v1, v2c, v3				
Management	SSH	•				
	Restore & Backup	•				
	Firmware update via Web	•				
	NTP	•				
	System Log	•				
	Email Alerts	•				
	Dowar Cupply	802.3at PoE or external	802.3at PoE or external			
	Power Supply	12V/2A DC power supply	12V/1A DC power supply			
Physical & Environment	Maximum Power Consumption	18.5 W (EU) / 21.5 W (US)	12 W (EU) / 13.5 W (US)			
	Reset	•				
	Mounting	Ceiling / Wall mouting (Kits inclu	uded)			
	Certifications	CE, FCC, RoHS				
	Dimensions (W x D x H)	243 x 243 x 64 mm				
Others		Operating Temperature: 0 °C-4	0 °C (32 °F–104 °F);			
Outers	Environment	Storage Temperature: -40 °C-7	0 °C (-40 °F–158 °F);			
	Environment	Operating Humidity: 10%–90%	non-condensing;			
		Storage Humidity: 5%–90% non-condensing;				



Ceiling Mount 802.	Ceiling Mount 802.11n/ac AP							
Model		EAP265 HD	EAP245	EAP225	EAP115	EAP110		
Name		AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point	AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point	AC1350 Wireless MU-MIMO Gigabit Ceiling Mount Access Point	300 Mbps Wireless N Access Point	300 Mbps Wireless N Access Point		
	LAN Interfaces	2 10/100/1000 Mbps	I.	1 10/100/1000 Mbps Ethernet Port	1 10/100 Mbps Ethernet Port			
	Wi-Fi Standards	IEEE 802.11a/b/g/n/ac			IEEE 802.11a/b/g/	n		
	Maximum Data Rate	450 Mbps (2.4 GHz) +	1300 Mbps (5 GHz)	450 Mbps (2.4 GHz) +876 Mbps (5 GHz)	300 Mbps (2.4 GHz)			
Main Design	Antennas	2.4G: 3 x 3.5 dBi 5GHz: 3 x 4 dBi	2.4 GHz: 3 x 3.5 dBi, 5 GHz: 3 x 4 dBi	2.4 GHz: 3 x 4 dBi, 5 GHz: 2 x 5 dBi	2 x 4 dBi			
	Transmit Power	CE: < 20 dBm (2.4 GHz, EIRP); < 23 dBm (5 GHz, EIRP) FCC: < 24 dBm (2.4 GHz); < 24 dBm (5 GHz)	CE: < 20 dBm (2.4 GHz, EIRP); < 28 dBm (5 GHz, EIRP) FCC: < 24 dBm (2.4 GHz); < 24 dBm (5 GHz)	CE: < 20 dBm (2.4 GHz, EIRP); < 27 dBm (5 GHz, EIRP) FCC: < 24 dBm (2.4 GHz); < 22 dBm (5 GHz)	CE: < 19 dBm (EIRP), FCC: < 21 dBm			
	Omada Software Controller	•		1	I.			
Centralized Management	Omada Hardware Controller	•						
Ochtralized Management	Omada APP	•						
	Captive Portal Authentication	•						
	Access Control	•						
	Maximum number of MAC Filter	4000						
Coourity	Wireless Isolation between	•						
Security	Clients							
	VLAN •							
	Rogue AP Detection •							
	Wireless Encryption WEP, WPA-Personal/Enterprise, WPA2-Personal/Enterprise							
	802.1X Support	•						
	Multiple SSIDs 16 (8 on each band)				8			
	Enable/Disable Wireless Radio							
	Enable/Disable SSID							
	Broadcast	•						
	Guest Network	•						
	Automatic Channel	-						
	Assignment	•						
	Transmit Power Control	Adjust transmit Pov	ver on dRm					
	QoS (WMM)	•	voi oii abiii					
	Seamless Roaming	•						
	Mesh	•			-			
					-			
Wireless Function	Beamforming	•			_			
	MU-MIMO	•			-			
	Rate Limit	Based on SSID/Clie	ent					
	Load Balance	•			I			
	Airtime Fairness	•			_			
	Band Steering	•			-			
	RADIUS Accounting	•						
	MAC Authentication	•						
	Reboot Schedule	•						
	Wireless Schedule	•						
	Wireless Statistics	•						
	Static IP/Dynamic IP	•						
		1						



Ceiling Mount 802	.11n/ac AP						
Model		EAP265 HD	EAP245	EAP225	EAP115	EAP110	
	802.11ac	6.5 Mbps to 867 6.5 Mbps to 1300 Mbps (MCS0-MCS9, Mbps (MCS0-MCS9, NSS = 1 to 3 VHT20/40/80) MCS9, NSS = 1 to 2 VHT20/40/80)		-			
Support Data Rates	802.11n	6.5 Mbps to 450 Mbp	os (MCS0-MCS23, HT2	0/40)	6.5 Mbps to 300 N MCS15, HT20/40)		
	802.11g	6, 9, 12, 18, 24, 36, 48	3, 54 Mbps				
	802.11b	1, 2, 5.5, 11 Mbps					
	802.11a	6, 9, 12, 18, 24, 36, 48	3, 54 Mbps		-		
	LED ON/OFF Control	•					
	Management MAC Access Control	•					
	Web-based Management	•					
	Telenet	•					
	SNMP	v1, v2c					
Management	SSH	•					
	Restore & Backup	•					
	Firmware update via Web	•					
	NTP	•					
	System Log	•					
	Email Alerts	•					
	Power Supply	802.3af PoE or 48 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included)	802.3af PoE or 48 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included)	802.3af PoE or 24 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included)	802.3af PoE or external 9 W0.6 A DC power supply	24 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included)	
Physical & Environment	Maximum Power	10.2014/	10.01//	10.6.W	2.1.1//	2.0.14	
	Consumption	10.36 W	12.3 W	12.6 W	3.1 W	2.8 W	
	Reset	•					
	Mounting	Ceiling/Wall mount	ing (Kits included)				
	Certifications	CE, FCC, RoHS					
	Dimensions (W x D x H)	205.4 x 181.6 x 37.4	mm		189.4 x172.3 x 29	.5 mm	
Others	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					



Name - AC 2200 Writes Name - AC 2200 Writes Name - AC 2200 Writes Name AC 2200 Write	Wall Plate AP							
Name	Model		EAP235-Wall	EAP230-Wall	EAP225-Wall	EAP115-Wall		
I.A.N Interfaces	Name		MU-MIMO Gigabit	MU-MIMO Gigabit	MU-MIMO Wall Plate			
Multin Dealgn Musimum Data Ratus 300 Mtpss (24 GHz) + 867 Mopus (6 GHz) 42 GHz 2 x 8 dBl 2.4 GHz 2 x 8 dBl 5.6Hz 2 x 8 dBl 5		LAN Interfaces	Mbps Ethernet Port Downlink: 3 10/100/1000 Mbps Ethernet Ports (one	Mbps Ethernet Port Downlink: 1 10/100/1000 Mbps	Ethernet Port Downlink: 3 10/100 Mbps Ethernet Ports (one	Ethernet Port Downlink: 1 10/100		
Antennas		Wi-Fi Standards	IEEE 802.11a/b/g/n/ac			IEEE 802.11a/b/g/n		
Antennas		Maximum Data Rate	300 Mbps (2.4 GHz) + 867	Mbps (5 GHz)		300 Mbps (2.4 GHz)		
Tonsmit Power	Main Design	Antennas				2 x 1.8 dBi		
Centralized Management Omada APP • Ceptive Portal Authentication - - Access Control • - Maximum number of MAC Filter 4000 - Filter - - VLAN • - Rogue AP Detection • - Wireless Encryption WEP, WPA-Personal/Enterprise, WPA2-Personal/Enterprise - 802.1X Support • - 802.1X Support • - Brable/Disable Wireless Radio • - Brable/Disable Wireless Radio • - Broadcast • - Guest Network • - Automatic Channel - - Assignment - - Transmit Power Control Adjust transmit Power on dBm - Ocs (WM) • - Searnless Roaming - - Mush - - Mush - - Access Roaming		Transmit Power		EIRP); < 23 dBm (5 GHz,	EIRP); < 23 dBm (5 GHz, EIRP) FCC: < 21 dBm (2.4 GHz);	CE: < 20 dBm		
Captive Portal Authentication Captive Portal Authenticati		Omada Software Controller	•		,			
Captive Portal Authentication Access Control Access	Centralized Management	Omada Hardware Controller	•					
Access Control Meximum number of MAC A000		Omada APP	•					
Security Maximum number of MAC Filter 4000 Filter Wireless Isolation between Clients • • • • • • • • • • • • • • • • • • •		Captive Portal Authentication	•					
Security Filter 4000 Wireless Isolation between Clients ************************************		Access Control						
Security Clients *** VLAN *** Rogue AP Detection **** Wireless Encryption WEP, WPA-Personal/Enterprise, WPA2-Personal/Enterprise 802.1X Support *** Multiple SSIDs 16 (8 on each band) 8 Enable/Disable Wireless Radio ** Enable/Disable Wireless Radio ** Guest Network ** Automatic Channel ** Assignment ** Transmit Power Control Adjust transmit Power on d8m Qos (WMM) ** Seamless Roaming ** Mesh - Mesh - Mu-MIMO ** Rate Limit ** Load Balance ** Airtime Fairness - Band Steering ** RADIUS Accounting ** MAC Authentication ** Reboot Schedule ** Wireless Statistics **			4000					
Rogue AP Detection Wireless Encryption WEP, WPA-Personal/Enterprise, WPA2-Personal/Enterprise 802.1X Support •	Security		•					
Wireless Encryption WEP, WPA-Personal/Enterprise, WPA2-Personal/Enterprise 802.1X Support • Wild Multiple SSIDs 16 (8 on each band) 8 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 - Mu-MIMO • Rate Limit Based on SSID/Client Load Balance • Airtime Fairness - Band Steering • RADIUS Accounting • MAC Authentication • Reboot Schedule • Wireless Statistics •		VLAN	•					
802.1X Support		Rogue AP Detection	•					
Multiple SSIDs 16 (8 on each band) 8		Wireless Encryption	WEP, WPA-Personal/Enterprise, WPA2-Personal/Enterprise					
Enable/Disable Wireless Radio Enable/Disable SSID		802.1X Support						
Enable/Disable Wireless Radio		Multiple SSIDs	16 (8 on each band) 8					
Enable/Disable SSID Broadcast Guest Network •								
Broadcast Guest Network •								
Guest Network			•					
Automatic Channel Assignment Transmit Power Control Adjust transmit Power on dBm			•					
Assignment Transmit Power Control Adjust transmit Power on dBm								
Transmit Power Control Adjust transmit Power on dBm			•					
QoS (WMM) Seamless Roaming			Adjust transmit Power on dRm					
Seamless Roaming								
Wireless Function Beamforming - MU-MIMO • - Rate Limit Based on SSID/Client - Load Balance • - Airtime Fairness - - Band Steering • - RADIUS Accounting • - MAC Authentication • - Reboot Schedule • - Wireless Schedule • - Wireless Statistics • -			_					
Wireless Function Beamforming - MU-MIMO • - Rate Limit Based on SSID/Client - Load Balance • - Airtime Fairness - - Band Steering • - RADIUS Accounting • - MAC Authentication • - Reboot Schedule • - Wireless Schedule • - Wireless Statistics • -			_					
MU-MIMO • - Rate Limit Based on SSID/Client Load Balance • Airtime Fairness - Band Steering • RADIUS Accounting • MAC Authentication • Reboot Schedule • Wireless Schedule • Wireless Statistics •	NA/in-lana F tian							
Rate Limit Based on SSID/Client Load Balance Airtime Fairness Band Steering RADIUS Accounting MAC Authentication Reboot Schedule Wireless Schedule Wireless Statistics Based on SSID/Client Wireless Statistics	wireless function		•					
Load Balance • Airtime Fairness - Band Steering • RADIUS Accounting • MAC Authentication • Reboot Schedule • Wireless Schedule • Wireless Statistics •			Paged on SSID/Client					
Airtime Fairness - Band Steering								
Band Steering •			•					
RADIUS Accounting MAC Authentication Reboot Schedule Wireless Schedule Wireless Statistics •			- .					
MAC Authentication • Reboot Schedule • Wireless Schedule • Wireless Statistics •						-		
Reboot Schedule Wireless Schedule Wireless Statistics •								
Wireless Schedule Wireless Statistics •								
Wireless Statistics •								
		Wireless Schedule	•					
Static IP/Dynamic IP •		Wireless Statistics	•					
		Static IP/Dynamic IP	•					



Wall Plate AP							
Model		EAP235-Wall	EAP230-Wall	EAP225-Wall	EAP115-Wall		
	802.11ac	6.5 Mbps to 867 Mbps (MCS0-MCS9, NSS = 1 to 2 VHT20/40/80)					
	802.11n	6.5 Mbps to 300 Mbps (MCS0-MCS15, HT20/40)					
Support Data Rates	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		-		
	LED ON/OFF Control	•					
	Management MAC Access	•					
	Control	•					
	Web-based Management	•					
	Telenet	•					
	SNMP	v1, v2c					
Management	SSH	•					
	Restore & Backup	•					
	Firmware update via Web	•					
	NTP	•					
	System Log	•					
	Email Alerts	•					
	Power Supply	802.3af/at PoE			802.3af PoE		
	Maximum Power	9.8 W (Without PoE Out)	7 W	9.8 W (Without PoE Out)	2.8 W		
Physical & Environment	Consumption	9.8 W (WILFIOUL POE OUL)	/ VV	9.8 W (WILHOUL POE OUL)	2.8 VV		
	Reset	•					
	Mounting	Wall Plate Mouting (Kits in	cluded)				
	Certifications	FCC, RoHS	CE, RoHS	CE, FCC, RoHS	CE, RoHS		
	Dimensions (W x D x H)	143 x 86 x 20 mm	86.8 × 86.8 × 30.2 mm	143 x 86 x 20 mm	86.8 × 86.8 × 30.2 mm		
Others		Operating Temperature: 0 °C-40 °C (32 °F-104 °F);					
Carlors	Environment	Storage Temperature: -40	°C-70 °C (-40 °F-158 °F);				
	LIMIOIIIIEIL	Operating Humidity: 10%-	-90% non-condensing;				
		Storage Humidity: 5%–90% non-condensing;					



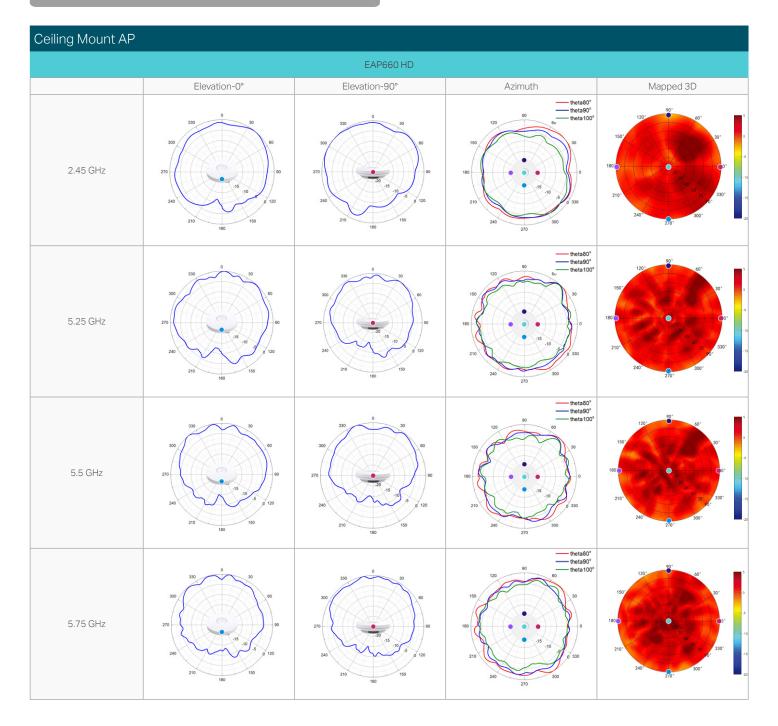
Outdoor AP					
Model		EAP225-Outdoor	EAP110-Outdoor		
Name		AC1200 Wireless MU-MIMO Gigabit Indoor/Outdoor Access Point	300 Mbps Wireless N Outdoor Access Point		
	LAN Interfaces	1 10/100/1000 Mbps Ethernet Port	1 10/100 Mbps Ethernet Port		
	Wi-Fi Standards	IEEE 802.11b/g/n/ac	IEEE 802.11b/g/n		
	Maximum Data Rate	300 Mbps (2.4 GHz) + 867 Mbps (5 GHz)	300 Mbps (2.4 GHz)		
Main Design	Antennas	2 Dual-Band Omni Antennas (External Detachable) 2.4 GHz: 3 dBi; 5 GHz: 4 dBi	2 Omni Antennas (External Detachable) 2.4 GHz: 3 dBi		
	Transmit Power	CE: < 20 dBm (2.4 GHz, EIRP), < 26 dBm (5 GHz, EIRP); FCC: < 23 dBm (2.4 GHz), < 22 dBm (5 GHz)	CE: < 20 dBm (EIRP), FCC: < 22 dBm		
	Omada Software Controller	•			
Centralized Management	Omada Hardware Controller	•			
	Omada APP	•			
	Captive Portal Authentication	•			
	Access Control	•			
	Maximum number of MAC Filter	4000			
	Wireless Isolation between	•			
Security	Clients				
	VLAN	•			
	Rogue AP Detection	• INFO MOA D. INFO D. INFO D.	0 1/5 1 1		
	Wireless Encryption	WEP, WPA-Personal/Enterprise, WPA2-Personal/Enterprise			
	802.1X Support	10 (0 for a south to south	0		
	Multiple SSIDs	16 (8 for each band)	8		
	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		_		
Wireless Function	MU-MIMO		-		
Williams Tanadam	Rate Limit	Based on SSID/Client			
	Load Balance	•			
	Airtime Fairness	•	-		
	Band Steering	•	-		
	RADIUS Accounting	•			
	MAC Authentication	•			
	Reboot Schedule	•			
	Wireless Schedule	•			
	Wireless Statistics	•			
	Static IP/Dynamic IP	•			
	802.11ac	6.5 Mbps to 867 Mbps (MCS0-MCS9, NSS=1 to 2 VHT20/40/80)	-		
	802.11n	6.5 Mbps to 300 Mbps (MCS0-MCS15	HT20/40)		
Support Data Rates	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	-		
			ı		



Outdoor AP						
Model		EAP225-Outdoor	EAP110-Outdoor			
	LED ON/OFF Control	•				
	Management MAC Access Control	•				
	Web-based Management	•				
	Telenet	•				
	SNMP	v1, v2c				
Management	SSH	•				
	Restore & Backup	•				
	Firmware update via Web	•				
	NTP	•				
	System Log	•				
	Email Alerts	•				
	Power Supply	802.3af PoE or 24 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included)	24 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included)			
Physical & Environment	Maximum Power Consumption	10.5W	3.1 W			
	Reset	•				
	Mounting	Pole/Wall mouting (Kits included)				
	Certifications	CE, FCC, RoHS				
	Dimensions (W x D x H)	214.9 x 46 x 26.7 mm	216 x 46 x 27 mm			
Others		Operating Temperature: 0 °C-40 °C (32 °F-104 °F);				
Others	Environment	Storage Temperature: -40 °C-70 °C (-40 °F-158 °F);				
	Environment	Operating Humidity: 10%–90% non-condensing;				
		Storage Humidity: 5%–90% non-condensing;				



Antenna Radiation Patterns



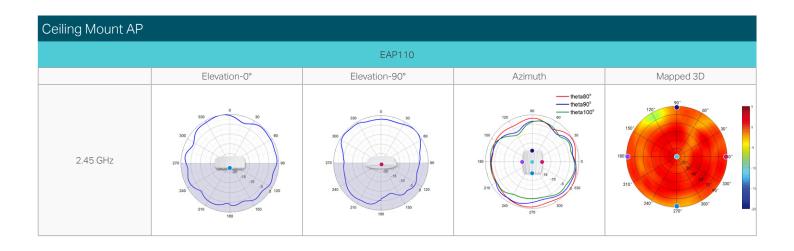
Ceiling Mount AP				
		EAP620 HD		
	Elevation-0°	Elevation-90°	Azimuth	Mapped 3D
2.45 GHz	330 300 270 240 210 150 150	330 300 270 240 210 150 150	theta80° theta80° theta80° theta80° theta80° theta80° theta90° the	150° 00° 00° 150° 150° 150° 150° 150° 15
5.25 GHz	270 240 210 150 150	270 240 219 180 190	theta80° theta100° theta100° theta100° and 100° theta100° theta100	150 00° 00° 150 150 150 150 150 150 150 150 150 150
5.5 GHz	270 240 210 150 150	270 240 210 150 300 60 60 90 90	theta80° theta80° theta80° theta80° theta80° theta90° the	180 0 00° 40° 180 0 00° 18
5.75 GHz	330 300 300 270 240 240 160 150	330 300 270 240 240 30 30 30 40 40 40 40 40 40 40 40 40 40 40 40 40	theta80° theta90° the	150 150 180 180 180 180 180 180 180 180 180 18

Ceiling Mount AP				
		EAP265 HD		
	Elevation-0°	Elevation-90°	Azimuth	Mapped 3D
2.45 GHz	270 240 210 180 330 60 60 60 60 60 60 60 60 60 60 60 60 60	300 270 240 210 150 150	#eta80° theta80° theta100°	150° 40° 30° 150° 30° 210° 210° 210° 210° 210° 210° 210° 21
5.25 GHz	330 330 330 330 330 330 330 330	330 300 270 240 240 210 150	theta80° — theta 100° — theta 1	150° 00° 00° 150° 150° 150° 150° 150° 15
5.5 GHz	270 240 210 150	300 300 270 240 210 180 300 60 60 60 60 60 60 60 60 60 60 60 60 6	# theta80° — theta90° — theta90° — theta90° — theta100° — theta100	150° 00° 00° 150° 150° 150° 150° 150° 15
5.75 GHz	270 240 210 150	300 270 240 210 150 150	#eta80° — theta90° — theta90° — theta90° — theta90° — theta100° —	180° 30° 30° 30° 210° 220° 300° 30° 30° 30° 30° 30° 30° 30° 30°

Ceiling Mount AP					
	EAP245				
	Elevation-0°	Elevation-90°	Azimuth	Mapped 3D	
2.45 GHz	330 300 270 240 210 150 150 150	300 270 240 210 150 150	theta80° theta100° theta100° 210 220 330 330	150° 40° 30° 150° 30° 150° 30° 210° 30° 30° 30° 30° 30° 30° 30° 30° 30° 3	
5.25 GHz	279 240 210 180 30 30 30 30 30 30 30 30 30 30 30 30 30	330 300 270 240 240 210 150 150	theta80° theta80° theta80° theta90° the	150° 00° 00° 150° 150° 150° 150° 150° 15	
5.5 GHz	270 240 210 150 150	330 300 300 300 300 300 300 300	# theta80° — theta90° — theta90° — theta100° — theta10	150° 00° 00° 30° 150° 210° 210° 270° 300° 220° 220° 220° 220° 230° 230° 23	
5.75 GHz	270 240 240 210 150	300 300 270 240 210 150 150	theta80° theta90° theta90° theta100° theta100° and a second secon	180 0 00° 00° 00° 00° 00° 00° 00° 00° 00°	

Ceiling Mount AP				
		EAP225		
	Elevation-0°	Elevation-90°	Azimuth	Mapped 3D
2.45 GHz	270 240 210 180 150	270 240 210 150 150		150° 40° 40° 40° 40° 40° 40° 40° 40° 40° 4
5.25 GHz	270 240 210 180 330 40 40 40 40 150 150	270 240 240 210 100 100	theta 80° theta 90° theta 90° theta 100° the	150° 460° 300° 300° 300° 300° 300° 300° 300° 3
5.5 GHz	270 240 210 150	270 240 210 150 150	theta80° theta90° theta90° theta100°	150°
5.75 GHz	270 240 210 160 150 150 150 150	270 240 240 210 150 150	theta80° theta90° theta90° theta100°	150° 46° 30° 150° 30° 270° 30° 30° 30° 30° 30° 30° 30° 30° 30° 3

Ceiling Mount AP				
		EAP115		
	Elevation-0°	Elevation-90°	Azimuth	Mapped 3D
2.45 GHz	270 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	330 300 300 300 300 300 60 60 90 150 150 150		150' 40' 30' 30' 30' 30' 30' 30' 30' 30' 30' 3



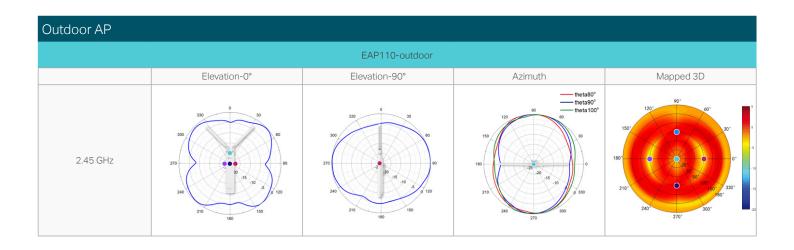
Wall Plate AP				
		EAP235-wall		
	Elevation-0°	Elevation-90°	Azimuth	Mapped 3D
2.45 GHz	270 240 210 150 150	330 300 270 240 210 150 150 150	- thota80° thota90° thota90° theta100° theta10	150 90° 5 150 0° 150 0° 150 150 150 150 150 150 150 150 150 150
5.25 GHz	270 240 240 210 150	270 240 210 150 150	- the ta80° - the ta90° - the ta90° - the ta90° - the ta100° - the ta1	150 90° 00° 150 150 150 150 150 150 150 150 150 150
5.5 GHz	270 240 219 15 150 150	270 240 210 150	## the ta 80°	150° 90° 40° 30° 150° 30° 30° 150° 30° 30° 30° 30° 30° 30° 30° 30° 30° 3
5.75 GHz	270 240 219 150 150	270 240 210 150 150		150° 40° 40° 150° 150° 150° 150° 150° 150° 150° 15

Wall Plate AP				
		EAP230-wall		
	Elevation-0°	Elevation-90°	Azimuth	Mapped 3D
2.45 GHz	270 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	270 00 00 00 00 00 00 00 00 00 00 00 00 0	theta80° theta90° theta90° theta100°	180° 00° 00° 180° 180° 180° 180° 180° 18
5.25 GHz	270 240 210 150	330 300 270 240 210 150 150		180
5.5 GHz	270 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	270 240 240 150 150		150° 00° 150° 30° 150° 330° 150° 300° 240° 270° 300° 200° 200° 200° 200° 200° 200° 20
5.75 GHz	330 300 270 240 300 300 40 90 90 90 90 150	330 300 270 240 240 210 150 150		150° 40° 40° 150° 40° 40° 40° 40° 40° 40° 40° 40° 40° 4

Wall Plate AP				
		EAP225-wall		
	Elevation-0°	Elevation-90°	Azimuth	Mapped 3D
2.45 GHz	330 300 270 240 240 210 150 150	330 300 270 240 210 150 150	theta80° theta100° theta10	150° 40° 30° 30° 270° 300° 220
5.25 GHz	330 300 270 240 210 150 150	330 330 300 300 300 300 300 300	theta80°2 theta80°3 theta90°3 theta9	150° 00° 00° 150° 150° 150° 150° 150° 15
5.5 GHz	270 240 210 150 150	330 300 270 240 240 300 300 300 300 300 300 300 300 300 3	# theta 80°	150° 00° 00° 00° 00° 00° 00° 00° 00° 00°
5.75 GHz	330 300 270 240 240 210 150 150	330 300 270 240 210 150 150 150	theta80° theta80° theta90° theta100°	150 90° 00° 150 150° 150° 150° 150° 150° 150°

Wall Plate AP				
		EAP115-wall		
	Elevation-0°	Elevation-90°	Azimuth	Mapped 3D
2.45 GHz	270 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	270 240 240 210 150 150	theta80° — theta90° — theta90° — theta100° = 150	150° 40° 40° 150° 150° 150° 150° 150° 150° 150° 15

Outdoor AP					
	EAP225-outdoor				
	Elevation-0°	Elevation-90°	Azimuth	Mapped 3D	
2.45 GHz	330 0 300 0 0 0 0 0 0 0 0 0 0 0 0	300 270 240 210 180 150	# theta80° — theta80° — theta80° — theta80° — theta90° — theta100°	150° 60° 30° 150° 210° 210° 210° 210° 210° 210° 210° 21	
5.25 GHz	330 300 270 300 300 300 300 300 300 300 3	300 270 240 210 150 150	theta80° theta80° theta80° theta90° the	150° 90° 00° 00° 150° 150° 150° 150° 150° 150°	
5.5 GHz	270 240 210 180 50 50 60 60 60 60 60 60 60 60 60 60 60 60 60	330 300 270 240 240 240 210 180 150	## the table of tabl	150' 90° 60° 30° 30° 30° 30° 30° 30° 30° 30° 30° 3	
5.75 GHz	270 240 240 210 150 150	270 240 210 150 150	theta80° theta90° theta100° theta100	150° 40° 30° 150° 30° 30° 30° 30° 30° 30° 30° 30° 30° 3	



Disclaimers

Wireless Speed, Range and Connected Devices Disclaimer

Maximum wireless transmission rates are the physical rates derived from IEEE Standard 802.11 specifications. Range and coverage specifications along with the number of connected devices were defined according to test results under normal usage conditions. Actual wireless transmission rate, wireless coverage, and number of connected devices are 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.

MU-MIMO Disclaimer

(for EAP265 HD / EAP245 / EAP225 / EAP225-Outdoor / EAP235-Wall / EAP230-Wall / EAP225-Wall) MU-MIMO capability requires client devices that also support MU-MIMO.

Seamless Roaming Disclaimer

(for EAP265 HD / EAP245 / EAP225 / EAP225-Outdoor)

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

(for EAP225-Outdoor / EAP110-Outdoor)

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.

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