

Controller | Datasheet

Omada Cloud-Based Controller

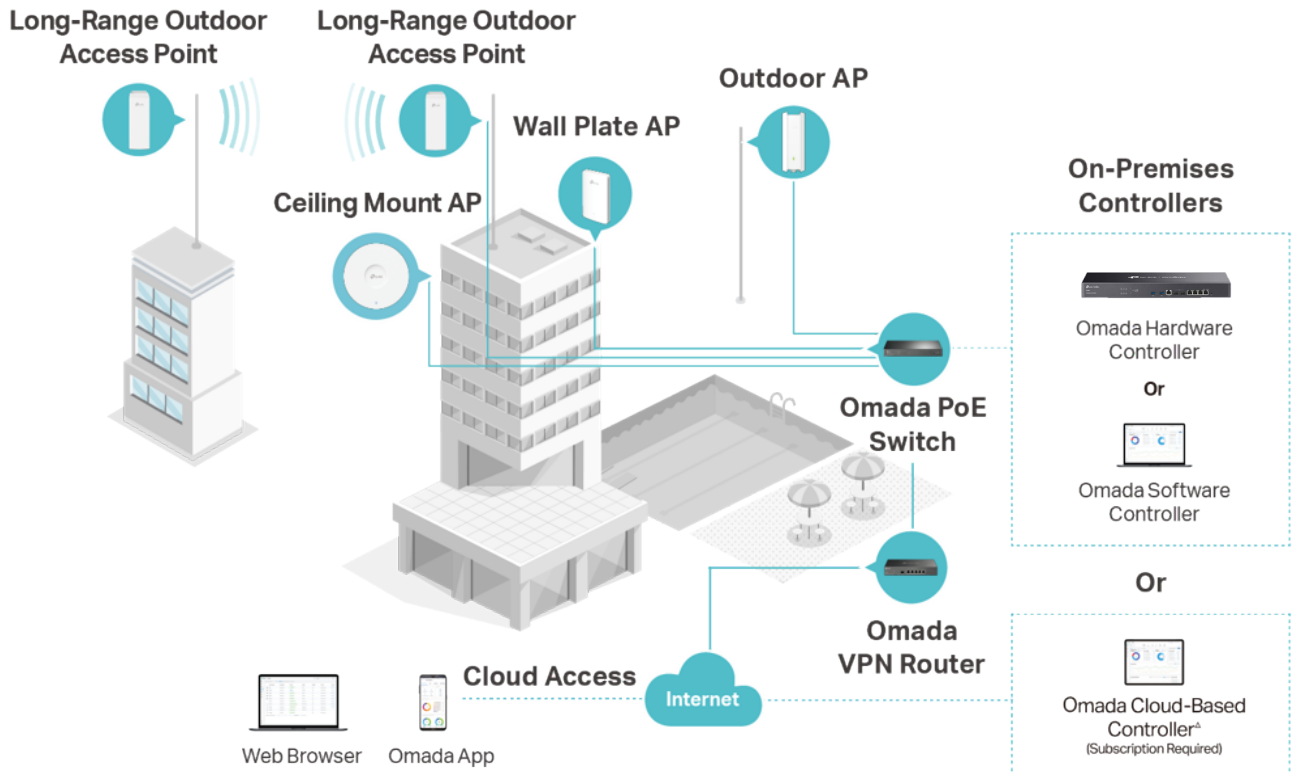


Highlights

- **Exists Entirely in the Cloud:** No additional hardware controller investment and installation on customer premises.
- **Unlimited Centralized Management Scale:** Centralized management for unlimited Omada access points, switches, and gateways/routers.
- **Zero-Touch Provisioning:** There's no need to send out an engineer for on-site configuration.
- **Auto Channel Selection and Power Adjustment:** Provides powerful wireless performance while greatly reducing Wi-Fi interference.
- **Omada App Support:** Use cloud access to manage with the Omada app from anywhere, anytime.
- **Easy and Intelligent Network Monitoring:** The easy-to-use dashboard makes it simple to see the real-time network status and traffic distribution.

Omada Solution

Omada's 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.



Specifications

Model		Omada Cloud-Based Controller
System Management	Multi-Site Management	√
	Multi-tenant Management (Role/Site/Device Privileges)	√
	Migration (Site Migration/Controller Migration)	√
	Account Management	√
	Maximum Number of Sites	5000 per customer
	Maximum Number of Cloud Accounts	1000
	Maximum Number of Vouchers	50,000 per site
	Maximum Number of Local Users	50,000 per site
	Maximum Simultaneously Used VLANs	4,090 per site*
	Maximum Number of WLAN Groups	10,000 per site
	Maximum Number of SSIDs	For each site: 2.4GHz: 8 5GHz: 8 6GHz: 8
	Maximum Number of ACL	For each site: Gateway/Router: 64 Switch: 32** EAP: 16
	Maximum Number of Free Authentication + Maximum Number of Pre-Authentication Access	64 in each site
	Maximum Number of Authentication Free Policy	96 in each site
	Maximum Number of Reboot Schedule	8 in each site
	Maximum Number of PoE Schedule	8 in each site
	Maximum Number of MAC Filter Groups	8 in each site
	Maximum Number of MAC Addresses in Each MAC Filter Group	500 (4,000 in total per controller)
	Maximum Number of VPN	64 in each site
	Maximum Number of Static Routing	64 in each site
	Maximum Number of Policy Routing	64 in each site
	Backup & Restore	√
	Auto Backup	√
Customized UI Interface	√	

* The actual number of VLANs depends on the switch capacity and it may be less than 4090.

** The actual number of ACL depends on the configuration and it may be less than 32.

Model		Omada Cloud-Based Controller
Network Management	Wired Network	✓
	Wireless Network	✓
	Network Security (ACL/URL Filtering/Attack Defense)	✓
	Transmission (Routing/NAT/Session Limit/Bandwidth Control)	✓
	VPN (IPSec/L2TP/PPTP/OpenVPN)	✓
	Portal (Voucher/Local User/SMS/RADIUS/Facebook/ External Portal Server)	✓
	802.1x	✓
	RADIUS (Authentication/MAC Auth/Accounting)	✓
Device Management	Management Device Type	Omada EAP, Omada Switch, Omada Gateway/Router, OLT*
	Management Scale	Unlimited centralized management scale
	Device Automatic Discovery	✓
	Batch configuration	✓
	Online upgrade	✓
	Reboot Schedule	✓
	PoE Schedule	✓
	WLAN Scheduler	✓
	DDNS	✓
	SNMP	✓
	SSH	✓
Monitoring	Dashboard (Custom Dashboard)	✓
	Statistics (Performance/Switch Stats/Speed Test Stats)	✓
	Network topology	✓
	Network Map	✓
	Devices List (Custom Table)	✓
	Clients List (Custom Table)	✓
	Insights (Known Clients/Past Connections/Past Portal Authorizations/Rogue APs)	✓
	Logs (Alerts/Events/Custom Notifications)	✓

*Note: Controller update is required to support OLT. Go to <https://www.tp-link.com/omada-cloud-based-controller/product-list/> to confirm which models are compatible with Omada Cloud-Based Controller.