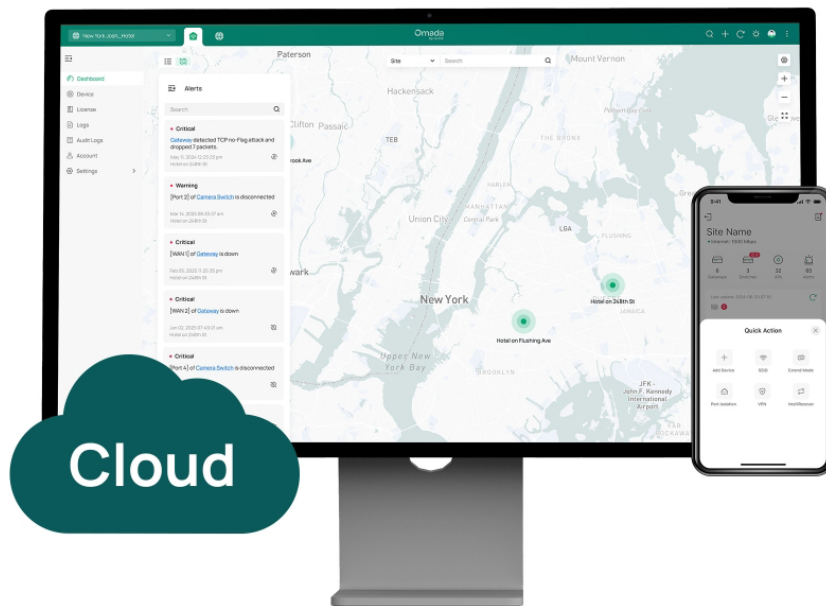


Controller | Datasheet

Omada Cloud-Based Controller



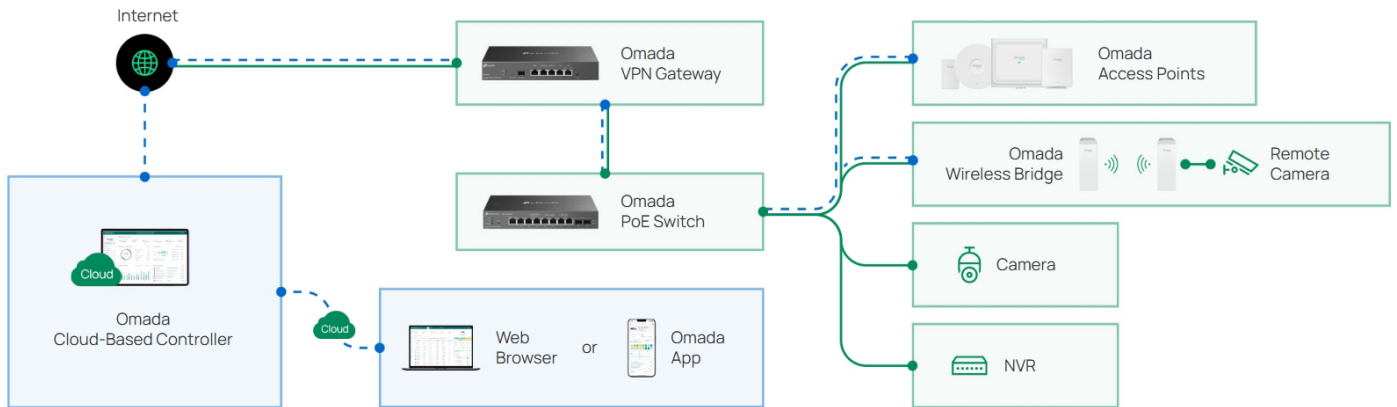
Highlights

- **Exists Entirely in the Cloud:** No additional hardware controller investment and installation on customer premises.
- **Unlimited Centralized Management Scale:** Centralized management for unlimited APs, switches, gateways, and OLTs.*
- **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 via 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.

*Go to <https://www.omadanetworks.com/omada-cloud-based-controller/product-list/> to find all the device models supported by Omada Cloud-Based Controller.

Overview

The Omada Cloud-Based Controller is a cloud-based platform for centralized management of Omada networking systems. No additional hardware controller or on-premises installation is required. As the management hub, it simplifies setup, management, maintenance, and troubleshooting — helping you expand your business and maximize profits.



Specifications

Model		Omada Cloud-Based Controller
System Management	Multi-Site Management	✓
	Multi-tenant Management (Role / Site)	✓
	Migration (Site Migration / Organization Migration)	✓
	Account Management	✓
	Maximum Number of Sites	5000 per customer
	Maximum Number of Cloud Accounts	1000
	Backup & Restore	✓
	Auto Backup	✓
	Customized UI Interface	✓
	Site Template	✓
	OpenAPI	✓
	SAML (SSO)	✓

Model		Omada Cloud-Based Controller
Network Management	Wired Network	√
	Wireless Network	√
	Network Security (ACL / URL Filtering / Firewall / IP-MAC Binding / Wireless IDS/IPS / IDS/IPS / Application Control / IMPB)	√
	Transmission (Routing / NAT / Session Limit / Bandwidth Control / Gateway QoS / Switch QoS / VRRP / DHCP Reservation / OUI Based VLAN)	√
	VPN (IPSec / L2TP / PPTP / OpenVPN / SSL VPN / Wireguard VPN)	√
	Portal (Password / Voucher / Local User / SMS / RADIUS / Form Auth / External LDAP Server / External Portal Server / Google)	√
	802.1x	√
	RADIUS (Authentication / MAC Auth / Accounting)	√
	Profiles (Groups / Time Range / Rate Limit / PPSK / RADIUS Profile / LDAP Profile / APN Profile / Certificate Profile)	√
	WAN Settings	√
	mDNS	√
	VoIP	√
	MAC-Based Authentication	√
	MAC Filtering	√
	IPTV	√
	EoGRE Tunnel	√
	Bluetooth	√
	IntelliRecover	√
	Stack	√
	MSP	√
	SD-WAN	√
	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 in WLAN Group	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 Policies	96 in each site
	Maximum Number of Reboot Schedules	8 in each site
	Maximum Number of PoE Schedules	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 VPNs	62 in each site
Maximum Number of Static Routing	64 in each site	
Maximum Number of Policy Routing	64 in each site	

* 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
Device Management	Management Device Type	Omada/Omada Campus AP, Omada/Omada Campus Switch, Omada Gateway, OLT*
	Management Scale	Unlimited centralized management scale
	Device Automatic Discovery	√
	Batch configuration	√
	Online upgrade	√
	Reboot Schedule	√
	PoE Schedule	√
	WLAN Schedule	√
	DNS (DDNS / DNS Proxy / DNS Cache)	√
	SNMP	√
	SSH	√
	CLI Configuration (Site CLI / Device CLI)	√
	Tools (Network Check / Packet Capture (Wired & Wireless)/ Terminal / Cable Test / Interference Detection)	√
	License (License Info / License Usage History / License Import/Export)	√
	Firmware (Overview / One-Time Upgrade / Periodic Upgrade / Upload Firmware for Upgrade)	√
Monitoring	Dashboard	√
	Remote Speed Test	√ (For Omada Supported Devices)
	Network topology	√
	Network Map	√
	Devices List (Custom Table)	√
	Clients List (Custom Table)	√
	Insights (Application Analysis / Reports)	√
	Logs (Alerts / Events / Custom Notifications / Webhook / Remote Logging)	√
	Audit Logs (Events / Webhook)	√
	Health Scores (Site / Device / WAN / Wi-Fi / Client)	√
	Abnormal (Overview / Incidents / Notifications / Settings)	×
	Reports (Summary / Wired Summary / Wireless Summary / Clients&Applications / Custom)	√

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