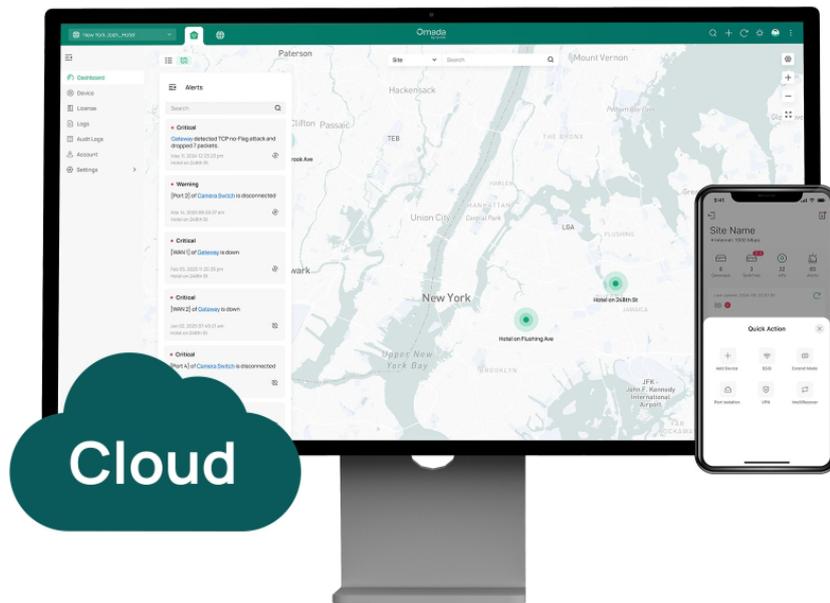


Controller | Datasheet

Omada Cloud-Based Controller

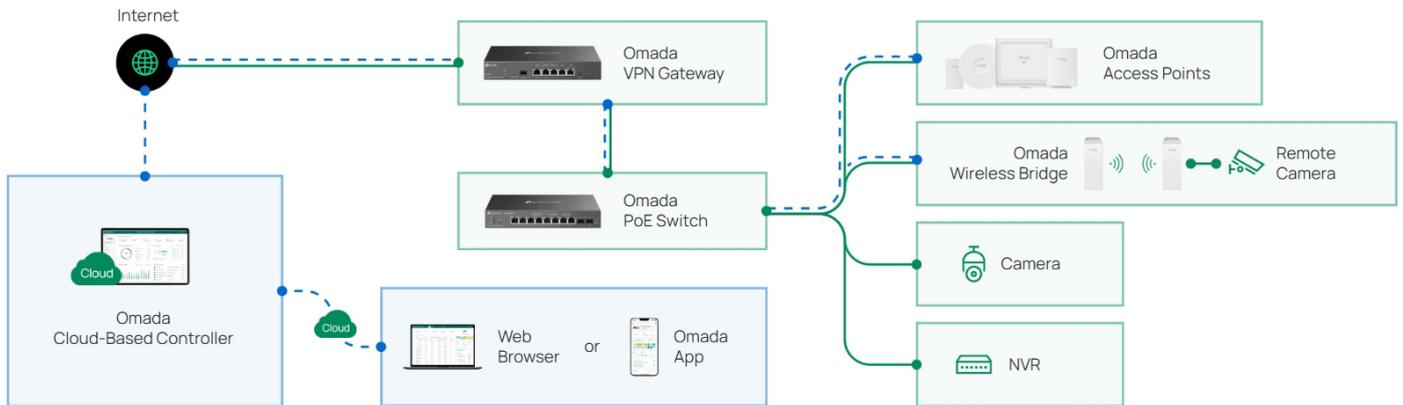


Highlights

- **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, Omada switches, and Omada gateways.
- **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.

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 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 Schedule | √ |
| | DNS (DDNS / DNS Proxy / DNS Cache) | √ |
| | SNMP | √ |
| | SSH | √ |
| | CLI Configuration (Site CLI / Device CLI) | √ |
| | Tools (Network Check / Packet Capture / 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 | √ |
| | 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) | √ |

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