

If you are planning to upgrade to this version from an old Controller (V3.2.14 or below), please read the [Omada Controller Upgrade Guide](#) in the installation package before upgrading the controller.

## 1. Supported device models and firmware

- **EAP**

EAP110\_V4 3.20.0 Build 20200525 Rel.36899 and above  
EAP115\_V4 3.20.0 Build 20200525 Rel.36931 and above  
EAP225\_V3 2.20.0 Build 20200422 Rel.70513 and above  
EAP245\_V3 2.20.0 Build 20200423 Rel.36779 and above  
EAP115-Wall\_V1 1.20.0 Build 20200509 Rel.63986 and above  
EAP225-Wall\_V2 1.20.0 Build 20200422 Rel.70504 and above  
EAP110-Outdoor\_V3 3.20.0 Build 20200511 Rel.33388 and above  
EAP225-Outdoor\_V1 1.20.0 Build 20200422 Rel.70543 and above  
EAP660 HD, EAP620 HD, EAP615-Wall, EAP610, EAP610-Outdoor,  
EAP265 HD, EAP230-Wall, EAP235-Wall

- **Switch**

TL-SG3452P, TL-SG3452, TL-SG3428XMP, TL-SG3428MP, TL-SG3428X,  
TL-SG3428, TL-SG3210XHP-M2, TL-SG3210 V3, TL-SX3206HPP, TL-SX3016F,  
TL-SX3008F, TL-SG2428P, TL-SL2428P V4, TL-SG2210MP, TL-SG2218,  
TL-SG2210P V3.2 and above, TL-SG2008P, TL-SG2008 V3 and above.

- **Gateway**

ER605 (TL-R605), ER7206 (TL-ER7206)

## 2. New Features & Enhancements

- 1) Changed the default port for adoption to TCP port 29814, please refer to [FAQ3265](#).
- 1) Support to change the default ports (29810-29814) in Omada Controller->properties->omada.properties file, then you can use multiple Controllers behind same NAT router to manage different devices.
- 2) Add Two-Factor Authentication (2FA) feature for Cloud Access, Omada APP (4.0.X and above) and local web login with Cloud Users.
- 3) Support OpenJDK8 and above for Windows platform.
- 4) Add DHCP Reservation in Services, allowing pre-configuration and support for reserving IP addresses outside the DHCP Range.
- 5) Add Korean, Thai, and Vietnamese languages support to the Portal.
- 6) Add Form Authentication type to the Hotspot Portal.
- 7) Remove the insecure WEP and WPA/TKIP algorithms from the wireless network. SSIDs encrypted with these algorithms will be removed after upgrading.
- 8) Adjust API for External Portal, please refer to [FAQ3231](#).
- 9) Optimize the account structure and the privileges of accounts with different roles.

- 10) Add multiple languages for names of Controllers, Devices, and Clients.
- 11) Optimize the startup interface of Controller for Windows platform.
- 12) Add pre-configuration for Internet during Quick Setup.
- 13) Retain the advanced feature settings when removing or replacing the Omada Gateways, such as VPN, Port Forwarding, etc.
- 14) Support to save the customized names for clients.
- 15) Optimize the SSID Override feature and allow disabling SSID.
- 16) Optimize the upgrading process for EAPs supporting PoE Out.
- 17) Optimized the export file names for Backup and Export Data functions.
- 18) Increased the number of "Limited IP Addresses" for Port Forwarding to a maximum of 24.
- 19) Modify some help text explanations.

### 3. Bug Fixed

- 1) Upgrade log4j version to 2.16.0 to fix the log4j vulnerability (CVE-2021-44228, CVE-2021-45046).
- 2) Fix the bug that EAP are in Adopting & Provisioning loop after upgrading Omada Controller to v5.0.15.
- 3) Fix the bug that clients are not displayed in Clients and Insights after upgrading Omada Controller to v5.0.15.
- 4) Fix the bug that if the Default Language of Form Auth Portal is not English, clients can't pass the authentication.
- 5) Fix the bug that Speed Test Statistic will be cleared when the Omada gateway is disconnected from the Controller.
- 6) Fix the bug that the VPN status was not updated in time.
- 7) Fix the bug that the push notification of Omada APP on the iOS platform displayed the MAC addresses of the devices instead of their names.
- 8) Remove the limitation on the length of the Top-Level Domain Name.
- 9) Fix the bug that IP addresses cannot be entered using the French keyboard.
- 10) Fix the bug that the bandwidth of clients can't be limited correctly via WISPr-Bandwidth in Radius server.
- 11) Fix the bug that the blocked clients may still be displayed as AUTHORIZED status in Clients list.
- 12) Fix the bug that Controller shows General error when disabling the rate limit profile for the first time.
- 13) Fix the bug that Omada devices are in Provision status frequently in some cases.
- 14) Fix the bug that the Background Picture and Logo Picture uploaded via cloud access are not displayed in the preview page.

- 15) Fix the bug that Controller shows errors and local Administrator account may be lost after restoring backup with cloud users that didn't accept invitation.
- 16) Fix the bug that the Viewer Account may disappear after the Administrator User create the Viewer Account and backup & restore the configuration.
- 17) Fix the bug that gateway is in Heartbeat Missed status in some cases.
- 18) Fix the bug that if the imported Customized Page is ZIP format, the browser responses 400 Bad Request when accessing static resources.
- 19) Fix the bug that AI Roaming function may cause an abnormal adopting behavior (in Controller 5.0.29).
- 20) Fix the bug that a disabled portal entry will cause the Controller fails to upgrade in (Controller 5.0.29).
- 21) Fix the bug that with static routing entries sometimes Controller will fail to adopt the gateway after updating from firmware version v4 (in Controller 5.0.29).
- 22) Fix the bug that the gateway will drop out for a short time after modifying the client name (in Controller 5.0.29).
- 23) Fix the bug that the configuration can't be saved if create Dynamic DNS/NO-IP DNS entries with the same Username.

## Notes

- 1) Omada SDN Controller can only manage certain devices running the supported firmware. Please confirm that your device is compatible with the SDN Controller.
- 2) If you are using an old Controller and plan to upgrade to this version, please follow the procedure of the [Omada Controller Upgrade Guide](#).
- 3) Once upgraded to this version of Omada Controller, you will be NOT able to downgrade to version 3.2.14 or below.
- 4) This version of the controller is applied to the Omada APP of version 4.0.X or above.