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, EAP650, 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) v1/v2, ER7206 (TL-ER7206)

2. New Features & Enhancements

1) Added support for **Private Pre-Shared Key (PPSK),** which requires upgrading the EAP to the adapted firmware to be released soon. For PPSK without RADIUS, you can create PPSK profiles (Settings -- Profiles -- PPSK).
2) Added the **Report page** to view, export and email network reports.
3) Added the **Heatmap** function (Beta).
4) Added support for **Facebook Wi-Fi 2.0** for wireless networks, which requires upgrading the EAP to the adapted firmware.
5) Added support for **Upgrade Schedule (Settings -- Services).**
6) Added support for **IPTV** function (Settings – Services -- IPTV), which requires upgrading your ER605/ER7206 firmware to version 1.2.0.
7) Added support to submit your **feedback**.
8) Added support to connect **FTP/TFTP/SFTP/SCP** file servers for backup and restore (Settings – Maintenance – Backup & Restore).
9) Added **TP-Link email service** to invite cloud users and reset password.
10) Added support for adding **multiple authentication and accounting** servers to a RADIUS profile.

11) Added support for the **RADIUS accounting function, and NAS ID** setting to the **MAC-Based Authentication**.

12) Added support for the **update notification** for Omada Software Controller (Settings – Maintenance – User Interface).

12) Optimized the **portal customization**, added support to adjust the logo size and position and font size, provided a more detailed customized page template.

13) Added the **Device Account** configuration during Quick Setup and adding a new site. After a device is adopted by the site, its username and password will be automatically set as the site device account, and will be required when re-adopting and logging into the device.

14) Added support to create up to 7 entries for one time range profile (Settings – Profiles – Time Range).

15) Added support for the **USB LTE WAN** of ER605(UN) V2.

16) Added the **Wi-Fi Control** function for some wall plate EAPs.

17) Added support to set the end of the Wi-Fi password as the space.

18) Added **quick switches** to enable or disable many advanced features, such as ACL, Port Forwarding, VPN, etc.

19) Added support to custom the **Online Detection Interval**, which requires upgrading your ER605/ER7206 firmware to version 1.2.0.

20) Added support to import HTTPS certification in **PEM** format (Settings – Controller – HTTPS Certificate).

21) Added support to export data from multiple sites (Settings – Services – Export Data).

22) Added a status filter to the device list to filter devices with selected status.

23) Added Controller and Device names for Syslog and Email.

24) Added the requirement for External Web Portal to submit "Access-Control-Allow-Origin" field in HTTP header to enhance security, for detailed information and new template, please refer to [FAQ 2912](#).

25) Optimized PoE utilization widget in Dashboard.

26) Optimized the text formatting to solve problems such as incorrect line breaks.

27) Optimized traffic statistics of EAP.

28) Optimized the default sorting order of the device list.

29) Optimized the Speed Test Statistics page.

30) Removed "DHCP Omada Controller" as it duplicates the "DHCP Option 138" (Settings – Wired Networks -- LAN).

31) Optimized the color of "CONNECTED" marker in the Clients list.

32) Added support to display device Serial Number, which requires enabling the Cloud Access.

3. Bug Fixed

1) Upgrade log4j version to 2.17.0. Note that Omada SDN Controller is not impacted by the vulnerability **CVE-2021-45105**.

2) Remove the limitation on the length of the Top-Level Domain Name of SMTP Sender Address.

3) Fixed some UI bugs when configuring the switch with a static IP address or enabling the DHCP server.

4) Fixed the bug where the Client Detail Logs were not sent to the Syslog server when the client connected to the Mesh AP.

5) Fixed the bug that the settings of PAP and CHAP authentication mode are inverse for External RADIUS Server Portal.

6) Fixed the bug that incorrect DHCP Reservation configurations caused the management exception of Omada Gateway.

7) Fixed the bug that MAC address of EAP was displayed in the roaming logs instead of the Device Name.

8) Fixed the bug that SFP+ ports can only work in 1G mode when LACP is configured.

9) Fixed the bug that the channels were incorrectly modified during batch configuration of Tx power.

Notes

1) This version of the controller is fully applied to the Omada APP of version 4.2.X or above.

2) Omada SDN Controller can only manage certain devices running the supported firmware. Please confirm that your device is compatible with the SDN Controller.

3) If you are using an old Controller and plan to upgrade to this version, please follow the procedure of the [Omada Controller Upgrade Guide](#).

4) Once upgraded to this version of Omada Controller, you will be NOT able to downgrade to version 3.2.14 or below.

5) Java 8 (or OpenJDK-8) and above, MongoDB v3 and v4 are necessary for Controller.

6) 64-bit Linux Operating System is supported.