

## Built-in Omada SDN Controller v5.5.7

### 1. Supported Device Models and Firmware

#### EAP

EAP690E HD, EAP 670, EAP660 HD, EAP650, EAP650-Outdoor, EAP620 HD  
EAP615-Wall, EAP610, EAP610-Outdoor  
EAP265 HD, EAP230-Wall, EAP235-Wall, EAP225-Outdoor, EAP115-Wall  
EAP245 V3, EAP225 V3, EAP225-Wall V2, and above versions  
EAP115 V4, EAP110 V4, EAP110-Outdoor V3, and above versions

- **Switch**

TL-SX3016F, TL-SX3008F  
TL-SG3452XP, TL-SG3452X, TL-SG3452P, TL-SG3452  
TL-SG3428XMP, TL-SG3428MP, TL-SG3428XF, TL-SG3428X, TL-SG3428  
TL-SG3210XHP-M2, TL-SX3206HPP  
TL-SG2428P, TL-SG2218, TL-SG2008P, TL-SG2210MP  
TL-SG3210 V3, TL-SG2210P V3.2, TL-SG2008 V3, TL-SL2428P V4, and above versions

- **Gateway**

ER8411  
ER7206 (TL-ER7206)  
ER605 (TL-R605) v1 and v2

### 2. New Features & Enhancements

1. Added WLAN and AI WLAN Optimization support for the 6GHz band, and adjusted the configuration method of Band Steering. When 6GHz is checked, unsupported encryption methods and WPA modes are automatically hidden.
2. Added support for Power Saving mode and PSC (Preferred Scanning Channel), adapted to EAP690E HD.
3. Added multi-language support, including Deutsch, Français, Español, Italiano, Português, Русский, Türkçe, 日本語, 中文(繁體), 한국어. You can set it in Settings > Maintenance > User Interface > Language.
4. Changed the default 802.1X mode from Force Authorized to Auto, to facilitate configuration of 802.1X.
5. Added support to log out of the Hotspot Manager.

6. Added support to customize the MAC address format for PPSK with RADIUS, which requires upgrading EAP to the adapted firmware to be released later. With the current firmware, EAP will still use "aa:bb:cc:dd:ee:ff" regardless of which format you choose.
7. The following optimizations were made to the MAP function: added EAP antenna parameters and 6GHz band, supported modifying EAP mounting type and installation angle, supported copying AP and recording interception area for simulation result evaluation, and fixed some bugs.
8. Added the Site Permission for Administrators, to allow the creation or deletion of sites.
9. Allowed Administrators to export data (Setting > Services > Export Data).
10. Alert emails will be sent once when the same Email address is set for multiple accounts.

### 3. Bug Fixed

1. Fixed the bug that the Term of Service of Portal could not be displayed correctly due to special characters.

### Notes

1. For OC200(UN) v1.0 and v1.6.
2. This version of the controller is fully applied to the Omada APP of version 4.4 or above.
3. Omada SDN Controller can only manage certain devices running the supported firmware. Please confirm that your device is compatible with the SDN Controller.
4. Once upgraded to this version of Omada Controller, you will be **NOT able** to downgrade to version 3.2.17 or below.