Built-in Omada SDN Controller v5.8.31 and fully adapted to Omada SDN Controller v5.8.31

1. Supported device models and firmware

- **EAP**

  EAP690 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. Add stateful ACL.

2. Add mDNS Repeater .

3. Add support for setting port speed and duplex mode in Controller mode.

4. Add support for setting port mirroring in Controller mode.

5. Optimized the logic of judging Me in ACL. If you need to use ACL to restrict the connection to VPN client, please select Me in Destination. Please note that if Me is included before the upgrade, the client may not be able to access the Web UI after the upgrade.

6. Add support for displaying the Source IP address of large Ping attack packets.

7. Optimized the DNS settings on the WAN side, the WAN side cannot set the DNS Server of the same network segment as the LAN.

8. DHCP Server's DNS support for adding network addresses.

9. Add "Certificate + Account" mode for OpenVPN.

10. Add IP-MAC binding in Controller mode.

11. Add One-to-One NAT in Controller mode.

12. Add "Custom IP" type for Local Networks in Controller mode.

13. Add "IP Address Range" type to VPN IP Pool in Controller mode.

14. Add Time based ACL in Controller mode.

15. Optimized Auto IPsec in Controller mode.

16. Add support for DHCP Option field.

- Option 2: Time Offset
- Option 42: NTP Server Network Boot,
- Option 67: TFTP Server
- Option 252: WPAD URL DHCP
- Options Customization

17. Add MRU Configuration for PPPoE.

18. Add Full mode for OpenVPN.

19. Add SHA2-384 and SHA2-512 for IPsec.

20. Add import DHCP Reservation Entry and export to IP-MAC Binding Entry.

21. Add Bonjour Service, Service, and Client Network options for mDNS.

22. Add Keywords mode for URL Filtering in Controller mode.

23. Add Quality of Service function.

24. Add IPsec Failover function.

25. Add VoIP data only goes from a certain WAN port, and that WAN port only allows VoIP to pass through.

26. Add DDNS Customization.

27. Add modification to port PVID in Controller mode.

28. Add support multiple WAN interfaces for policy routing in controller mode.

29. Optimized the judgment logic of large ping attack/WAN ping attack.

3. Bug Fixed:

1. Fix the bug that DHCP Server cannot assign an IP address when a large number of clients make DHCP requests at the same time.

2. Fix the bug of not being able to assign the correct reserved IP address.

3. Fix the bug of memory leak caused by mDNS.

Notes

1. This version of the Controller is fully applied to the Omada APP of version 4.6 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. Your device's configuration won't be lost after upgrading.