This firmware is fully adapted to Omada SDN Controller v5.8

New Feature/Enhancement:

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. Add Non-Address mode for IPv6.

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

9. Add IP-MAC binding in Controller mode.

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

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

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

13. Add support to customize DNS server for VPN servers in Controller mode.

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

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

16. Add support for custom Local IP Address for L2TP/PPTP VPN Users in Controller mode.

17. Add support for CLI configuration in Standalone mode.

18. Add Reboot Schedule in Standalone mode.

19. Add DHCPv6 PD Server in Standalone mode.

20. Add support for DHCP Options Customization.

21. Add MRU Configuration for PPPoE.

22. Add Full mode for OpenVPN.

23. Add **IPsec Failover** function.

24. Add **SHA2-384 and SHA2-512 for IPsec**.

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

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

27. Add modification to port PVID in Controller mode.

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

29. Add Quality of Service function.

30. Add DDNS Customization.

31. Add DNS Proxy, with DNSSEC, DoH, and DoT supported.

32. Add Bridge VLAN: you can bind multiple VLANs with one LAN interface.

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

34. Add the ability to enable flow control by default in controller mode.

35. Add WireGuard VPN.

Notes:

1. Your device's configuration won't be lost after upgrading.

2. The above firmware is partly adapted to Omada SDN Controller 5.8.

3. The firmware file mentioned above is too large to be upgraded on Omada Hardware Controllers OC200/OC300 v5.9 or earlier versions. However, you can choose to upgrade the firmware in Standalone mode. Controllers v5.11 and later versions will optimize this process.