New Features:

1. Added support for the Inform subscription mechanism.

2. Added support for Local Controller cluster deployment.

3. Added support for centralized RADIUS proxy.

4. Added support for OWE (non-transition mode).

5. Added support for cloud firmware upgrades in Standalone mode.

6. Added support for Portal Logout functionality.

7. Added support for disabling HTTP protocol under Standalone management.

8. Added support for DHCP Option 43.

9. Added support for multiple RADIUS servers in MAC authentication.

10. Added support for SNMP Community security reminders.

11. Added support for NAS ID configuration for enterprise-level encryption.

12. Added support for DNS Queries.

13. Added support for bandwidth limiting after Portal authentication when

    managed by the Controller.

14. Added support for configuring Device Name from the Controller.

15. Added support for Standalone login to view status information and perform

    basic configuration on devices previously managed by the Controller.

16. Added support for displaying the correct maximum associated client range

based on device model in the Controller.

17. Added support for displaying the actual operating bandwidth of EAP devices in the Controller.

18. Added support for 802.11a/n mixed mode on 5 GHz under Controller mode.

19. Added support for multicast and broadcast traffic statistics.

20. Added support for disabling HTTP, HTTPS, and APP discovery under Controller mode.

21. Added support for Non-Stick Roaming.

22. Added support for EKMS and Unbound MAC PPSK features.

23. Added support for IPv6 multicast filtering.

24. Added support for reporting the default OFDMA status to the Controller.

25. Added support for DNS adoption.

26. Added support for displaying configuration synchronization status between the Controller and devices.

27. Added support for multicast/broadcast rate limiting.


Enhancements:

1. Optimized roaming performance.

2. Optimized transmit power deployment.

3. Unified DHCP Vendor Class Identifier format.

4. Optimized log output.

5. Optimized beacon interval configuration.

6. Optimized LLC packet transmission timing.

7. Added support for additional WPA3-Enterprise cipher suites.

8. Improved CLI command set.

9. Adjusted SSH encryption algorithms.

10. Enhanced brute-force protection in APP management mode.

11. Expanded EAP MAC Filter entries.

12. Expanded PPSK capacity — up to 1024 entries shared across all SSIDs.

13. Optimized NF calibration to improve RSSI measurement accuracy.

14. Optimized SSID configuration processing time.

15. Enhanced device security.


Bug fixed:

1. Fixed an issue where TDDP security vulnerabilities could occur.

2. Fixed an issue where RADIUS-related security vulnerabilities could be

   triggered.

3. Fixed an issue where TLS 1.3 packet fragmentation caused URL filtering to fail.

4. Fixed an issue where AI deployment reported incorrect positive RSSI values.

5. Fixed an issue where LLDP-MED packets were not forwarded properly.

6. Fixed an issue where Portal functionality failed due to unauthenticated entry

   aging or cross-subnet HTTPS redirection.

7. Fixed an issue where tri-radio MLO connections could cause the AP to crash.

8. Fixed an issue where incorrect spatial stream information was displayed in SSH.

9. Fixed an issue where clients might disconnect and reconnect when PMF was

   enabled on MLO SSIDs.

10. Fixed an issue where COA did not take effect on MLO STAs.

11. Fixed an issue where mesh connections could fail in certain scenarios.

12. Fixed an issue where devices could crash and reboot in specific mesh

   environments.

13. Fixed an issue where IPv4 multicast packets could not be forwarded from a

   mesh AP to the root AP.

14. Fixed an issue where clients experienced slow speeds and page loading delays

   when connecting to VLAN-enabled SSIDs under single-hop mesh topology.

15. Fixed an issue where some clients could not associate with 2+5 GHz MLO under Controller management.

Notes:

1. This version of firmware is applied to the Omada APP 4.24 or above.