Version Info:

Firmware for SG3428(UN) 2.40, SG3428(UN) 2.46, SG3428(BR) 2.46, SG3428(IN) 2.48.

Recommended Omada Controller V6.2.0.

New Features

1. Added NAT Traversal feature.

2. Supported Omada Config Tools V2.0.

3. Added support for Lightweight DHCPv6 Relay Agent (LDRA).

4. Extended L2PT functionality to support LLDP and 802.1X protocols.

5. Added IGMP Snooping VLAN SSDP Flood feature to ensure packets for multicast group 239.255.255.250 (commonly used for SSDP service discovery) are always flooded.

6. VLAN Isolation feature now supports configuration via SNMP.

7. Added CLI command to display STP Topology Change Notification (TCN) statistics per port.

8. Added statistics for ERPS ring port R-APS packet transmission and reception (RX/TX).

9. Add support for Type 8 (PBKDF2 with SHA-256) and Type 9 (Scrypt) password storage encryption type.

10. Add support for CPP (CPU protect policy).

11. Add support for MAC flapping.

12. Add support for packet capture.

13. Add support for ping and traceroute using domain names.

14. Add support for multiple RADIUS servers redundancy.

15. Add support for domain name RADIUS server.

16. Add support for RADIUS CoA & DM.

17. Add support for RADIUS accounting standard attributes Framed-IP-Address and Called-Station-ID.

18. Add support for IGMP auto-elect and TCN flood for IGMP.

19. Add support for Syslog protocol, custom UDP ports, and transmission over UDP/TCP with DTLS or TLS.

20. Add support for LACP fast timeout.

21. Add support for deleting quadruple binding entries by port.

22. Add support for displaying user configuration information based on interface VLAN.

23. Add support for configuring DHCPv6 relay by port.

24. Add support for RadSec in 802.1X authentication.

25. Add support for log filtering based on keywords.

Enhancements

1. Supported common MAC address formats across all input fields.

2. Optimized ERPS convergence time on optical ports, achieving convergence within 50 ms.

3. Supported configuration of 802.1X authentication in MAB-only mode.

4. Added option to disable DNS Adoption to meet specific network management requirements.

5. Improved LLDP protocol compatibility.

6. Enhanced system self-healing capability to improve long-term stability.

7. Improved management link reliability.

8. Enhanced STP module reliability and overall spanning tree stability.

9. Optimize MAC group.

10. Optimize the initialization process and remove default username and password.

11. Optimize interaction between 802.1X and VLAN.

12. Optimize DDM configuration display.

13. Optimize log display for STP root bridge changes.

14. Improve packet capture functionality.

15. Improve FDB table display.

16. Optimized client alarm notifications in controller mode.

Bug Fixed

1. Fixed issues where SNMP nodes Q-BRIDGE-MIB and BRIDGE-MIB did not comply with protocol specifications.

2. Fixed the issue of QoS anomalies in specific scenarios.

3. Fixed the issue of wired client list display issues in certain scenarios.

4. Fixed some security vulnerabilities related to interaction with Omada Controller.

5. Fixed an issue of port authentication anomalies during upgrade.

6. Eliminated the risk of management instability when multiple NTP servers are configured.

7. Fixed a bug causing unstable SSH connections.

Others

None.