Version Info:

Firmware for SG3428X(UN) 1.30. This firmware is fully adapted to Omada Controller V5.14.

Note:

If you saved the configuration before an upgrade and only configured ACL permit entries for login access control, after the upgrade, DHCP and ARP packets not included in the ACL whitelist will be dropped, preventing interaction with uplink and downlink devices, and causing users unable to obtain dynamic IP addresses for Internet access.

The solution is to configure two rules:

1. A MAC/Combine ACL permit rule for type 0806 to allow ARP packets.

2. A MAC/Combine ACL permit rule for source MAC equals to the MAC address of DHCP server to allow the packets sent by the DHCP server.

New Features:

1. Add support for cloud firmware check and upgrade under standalone usage.

2. Add support for VLAN specific port isolation.

3. Add support for RSPAN.

4. Add support for DHCP Option 43.

5. Add support for DHCP filter per VLAN under standalone usage.

6. Add support for assigning IP address with 31-digit subnet mask in VLAN interfaces.

7. Add support for using domain name when configuring NTP server.

8. Add support for static IP binding with MAC address wildcards.

9. Add support for enabling/disabling the switch sending Omada controller related broadcast packets via CLI.

10. Add support for auto import/export IMPB entries.

11. When device is managed by Omada controller, add SSH on/off switch on WebUI if the device's state on controller is abnormal.

12. Add support for configuring static DNS server under standalone usage.

13. Add support for pushing port names configured on Omada controller to the switch.

14. Add support for commands switching blacklist/whitelist for ACL under standalone usage.

15. Add "Detected Loop" text in controller logs when detecting loops via loopback detection.

16. Add support for cluster deployment.

17. Add support for obtaining temperature via SNMP.

18. Add support for IMPBv6 to work in parallel with IPv6 ACL.

19. Add support for matching IPv6 traffic using MAC ACL and MAC VLAN under Default or Enterprisev4 template.

20. Add support for Combine ACL/IP ACL to work in parallel with MAC ACL and MAC VLAN for matching and enforcement.

Enhancements:

1. Set the loopback interface as global source interface for all SNMP communication between the SNMP client and server.

2. Default NTP servers updated.

3. OpenSSL library updated.

4. Disable HTTP access under standalone usage by default.

5. Add warning message when configuring PortFast on a port.

6. Uniform the DHCP Vendor Class Identifier attribute sent by all Omada switches.

7. Add "lldpRemTimeMark" field in device's response to "lldpRemTable" in SNMP public library.

8. Add support for editing default OUI templates of voice VLAN.

9. LLDP enabled by default.

Bug fixed:

1. Fixed the compatibility problem between Remote Syslog and Visual Syslog Server.

2. Fixed the abnormal convergence of Spanning Tree when clients quantity is high.

3. Fixed the problem where configuring sFlow without a description leads to configuration errors on WebUI under standalone usage.

4. Fixed the problem causing error on devices when adding 5 illegal SNMPv3 AuthPriv User in total.

5. Fixed the RCE and DOS vulnerabilities in cloud-brd.

6. Fixed the Broken Access Control vulnerabilities.

7. Fix the problem of abnormal high CPU utilization caused by the traffic forwarding when the MAC address table exceeds the limit.

8. Fixed the problem where enabling QinQ stack on a UNI port causes double-tagged pings to fail.

9. Fixed the problem where MAC ACL and MAC VLAN cannot match DHCP and ARP packets.