

Previous SWX3220-30TCs

Firmware version information

V4.04.04

Vulnerability Response

- Addressed an SSH-related vulnerability (CVE-2023-48795).

Improvements

- IGMP Snooping Function Improvements
 - Added enhancements to prevent video interruption or block noise during switching.
 - When the querier receives a GSQ (Group Specific Query), it now forwards it to downstream receivers.
 - In IGMPv3 (SSM) environments, when a BLOCK_OLD_SOURCES message results in an empty source list and fast-leave is enabled, the device now immediately leaves the multicast group.
 - Changed the method for detecting a switch-connected port: from “System Capabilities” in LLDP Basic Management TLV to “Enabled Capabilities”.
- SD Card Mount Status Display
 - The show environment command now displays the Micro SD card's mount status.
- Web GUI Maintenance Menu Update
 - Removed the Web GUI page: [Administration] → [Maintenance] → [Command Execution].
- Categorized Output in the show environment
 - The show environment command now displays information grouped by category.
- L2MS Notification Enhancement
 - Enhanced L2MS to support power module-based notifications:
 - LAN map notifications & history
 - Email notifications
- Dashboard Traffic Graph Limit Update
 - Increased the upper limit of the traffic graph in the Web GUI dashboard from 10 Gbps to 100 Gbps.
- Device ID Display in the show environment
 - Added Device ID information to the show environment output.

- Automatic Dante Optimization via LLDP
 - Revised the settings applied by LLDP-based Dante optimization.

Note: This optimization applies only when all related settings are in the factory default state. Some factory default values changed in this revision; if prior revision settings were saved (e.g., password changes), Dante optimization may not apply. A cold start (factory reset) will restore applicability.
- Security Enhancements
 - The minimum password length for the username and enable password commands has been increased to 8 characters.
 - Users whose passwords are shorter than eight characters will experience:
 - Privileged users: forced to change the password on login.
 - Non-privileged users: login denied.
- Web GUI Login Screen Updates
 - Admin users with passwords shorter than eight characters will be prompted to change their password at login.
 - General users with passwords shorter than eight characters will be blocked from logging in.
 - Password change screens and [Administration] → [Access Control] → [User Settings] no longer allow passwords under eight characters.
- Restricted Commands in Command Execution Menu
 - Prohibited commands in Web GUI [Administration] → [Maintenance] → [Command Execution]: username, no username.
- UI and Help Documentation Improvements
 - Several UI enhancements and help document reviews were implemented.

Bug Fixes

- VLAN Selection Issue in Tag VLAN Settings
 - Solved the problem where a VLAN configured as a trunk could be incorrectly selected as a native VLAN after returning from a confirmation screen.
- Time Zone Display Inconsistency
 - Corrected the inconsistent timezone labeling in [Administration] → [System Settings] → [Time Settings].
 - Added support for time zones: GMT-4:30, GMT-3:30, GMT+3:30, GMT+4:30, GMT+5:30, GMT+5:45, GMT+6:30, GMT+9:30.
- IGMP Report Checksum Error
 - Solved the problem where extra bytes at the end of IGMP reports caused invalid packet checksums.
- Missing Commands in ProAV Profile Setup

- Solved the problem where commands (spanning-tree bpd-filter enable, I2ms filter enable) were not applied when configuring redundant Dante profiles.
- IGMPv3 (SSM) Decoder Stop Issue
 - Solved the problem where, in an IGMPv3 (SSM) environment with a querier present, stopping one decoder also stopped other decoders in the same multicast group.
- IPv6 Route Display After VLAN Deletion
 - Solved the problem where routes for deleted VLANs still appeared in show ipv6 route.
- VLAN State Dependency Issue
 - Solved the problem where the presence of a disabled VLAN prevented other VLANs from coming up.
- Traffic Graph Display Error
 - Solved the problem where the traffic widget on the dashboard displayed lower values than actual traffic.
- VLAN Interface Removal Reboot Issue
 - Solved the problem where, after certain operations on a VLAN interface followed by its deletion, a reboot could occur when performing:
 - SNMPv1 trap send
 - Accessing [Layer 3 Functions] → [Routing] in the Web GUI
- Solved several minor bugs