



## EtherWAN Managed Switch

Firmware Release Notes

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### RELEASE SUMMARY

Version: 5.02.2.2

Release Date: May. 12th, 2023

### SUPPORTED PRODUCTS

EX78900E Series	EX73900E Series	EX75900 Series
EX78900X Series	EX73900X Series	EX78900R Series
IG5 Series		

### NEW FEATURES

1. **New added IEEE 1588 PTP function feature.**
2. **New added Modbus TCP function feature.**
3. **New added DHCP Relay function feature.**
4. **New added DHCP Snooping function feature.**

### BUG FIXES/ENHANCEMENTS

1. [DHCP Snooping] Add DHCP Snooping table (static) configuration field on the Web.
2. [Auto Speed] Fix setting "Auto Speed" behavior of keep at previously configure speed.
3. [Firmware upgrade] Fix the default gateway in Linux shell after firmware upgrade.
4. [RIP] Fix RIP cost calculation and path selection for routing entries after topology changes.
5. [ARP] Fix ARP table can't show complete in edge router(Zone3\_A and Zone\_B)of Zone 3.
6. [ACL] Fix display issue of more than 1 port map policy reboot .
7. [OSPF] Fix OSPF neighbor ID display abnormal after reboot.
8. [Telnet/SSH/Web] [IPv6] Fix connect through telnet/ssh/web with IPv6 address
9. [Firmware upgrade] Fix the DUT firmware update process cannot be resumed after being interrupted for power down and cold start twice.
10. [Port Status] [SNMP/Web/CLI] Fix the MIB Browser of DDM Table display issue.
11. [Port Status] [SNMP] Fix trigger issue of changed exceeds DDM alarm threshold value SFPs.
12. [IG5][Ringv2][Chain] Fix IG5 series set connect to Ringv2 & Chain bootup issue.
13. [OSPF] Fix OSPF neighbor ID display abnormal after reboot.

## RELEASE SUMMARY

Version: 5.02.1.0

Release Date: Dec. 12th , 2022

## SUPPORTED PRODUCTS

EX78900E Series	EX73900E Series	EX75900 Series
EX78900X Series	EX73900X Series	EX78900R Series
IG5 Series		

## NEW FEATURES

1. **Added SFP DDM traps for alarm and warning threshold.**
2. **Added Auto USB configuration backup and restore.**
3. **Added Port VLAN Security Support.**

## REVISIONS

1. **Incorporated PoE chipset PD69220**
2. **Improved handling of PoE 802.3 at/bt protocols**

## BUG FIXES/ENHANCEMENTS

1. [IP ACL] Improved configuration of the IP ACL rules for VLANs.
2. [VLAN] After topology changes, the VLAN management interface would be sporadically unresponsive
3. [NTP] After multiple reboots, system time would randomly not be synchronized with the NTP server
4. [QoS] VLAN priority would be modified under specific operations
5. [STP/RSTP] When the Spanning Tree Protocol is set to "disable", the RSTP Port Setting page would display an error in the web interface.
6. [Username] When two “\” characters are used within a username, the device may reboot unexpectedly
7. [USB] Support for additional USB chip hardware, for log exports
8. [LLDP] When heavy LLDP packets are transmitted simultaneously, the device may reboot unexpectedly
9. [SNMP] Adding an interface to the VLANs group could cause the VLAN table OID to display incorrect values in the MIB browser under certain circumstances
10. [OSPF] In certain topologies, rebooting units and changing the topology may cause an increase in dropped frames

## RELEASE SUMMARY

Version: 5.01.0.4

Release Date: Feb. 23rd, 2022

## SUPPORTED PRODUCTS

EX78900E Series	EX73900E Series	EX75900 Series
EX78900X Series	EX73900X Series	

## NEW FEATURES

1. **Added Port Security feature.**
2. **Added DoS (Denial of Service) prevention feature.**
3. **Added firmware upgrade capability through web interface and USB drives.**
4. **Added PoE System Temperature to the private MIB file.**

## BUG FIXES/ENHANCEMENTS

1. [WEB] OSPF web configuration page error when adding more than 3 OSPF interfaces
2. [SFTP] When the user enters an invalid IP address in the web SFTP setting, the switch would be unable to determine if the file was downloaded successfully and would prompt "Download now, please wait (95%) ...".
3. [MSTP] If a port is set as a trunk port, creating an instance and setting the port instance priority via CLI commands could cause the switch to reboot unexpectedly
4. [System Password] Fixed issue where unallowed character "?" could be used for passwords.
5. [Web/Telnet] May not be able to log in after configuring multi-user and changing the RADIUS mode to RADIUS User Local.
6. [OSPF/VRRP] Ping communication or SNMP requests may occasionally fail if the OSPF/VRRP topology has been changed or the device is rebooted.
7. [Redundant Pair] When redundancy pair is enabled and the redundant port is set to 100M SFP, the SFP port's link may be down
8. [LLDP] The LLDP neighbor page in the web interface may not display information correctly when sending LLDP packets to the switch

## RELEASE SUMMARY

Version: 5.00.4.2

Release Date: June 17th, 2021

## SUPPORTED PRODUCTS

EX78900E Series	EX73900E Series	EX75900 Series
EX78900X Series		

## NEW FEATURES

1. **Added SNMP group feature for SNMPv3.**
2. **Added support for special characters (i.e. “!” and “#”) to be used in password.**
3. **Support for AES-128/192/256 encryption in SNMPv3.**
4. **Support for SNMPv3 Traps.**
4. **Support updating configuration files by USB.**
5. **Added a UDP port for remote logging host.**
6. **Support for Redundant Pairs.**

## BUG FIXES

1. [IGMP] The switch would display only the first multicast group when joining multiple groups.
2. [SNMP] Improved system memory handling during MAC notification traps.
3. [PoE] Corrected MIB information under PoE Extend Mode.
4. [CLI & IPv6] When using the "no ipv6 nd suppress-ra" CLI command, the switch may reboot unexpectedly in certain situations.
5. [Static MAC Entry] Couldn't set a discarded MAC in Static MAC Entry through the Web interface.
6. [Web] Incorrect MAC information displayed in the Web interface for per port VLAN activities.
7. [CLI & Remote-log] When using the "remote-log add" CLI command without a UDP port specified in the CLI, the switch may reboot unexpectedly.
8. [DHCP-Server] DHCP Server would not automatically reassign IP address to the client when DHCP is disabled and reenabled after initial connection.
9. [MSTP] After MSTP configuration is set through the CLI, viewing the setup from the web interface would display an internal server error randomly.
10. [System] Small chance that the fiber ports of the switch may not be functioning properly after numerous cold bootups in a row.

## RELEASE SUMMARY

Version: 5.00.3.3

Release Date: March. 31st, 2021

## SUPPORTED PRODUCTS

EX78900E Series	EX73900E Series	EX75900 Series
EX78900X Series		

## NEW FEATURES

1. Added the OSPF distribute-list feature, which allows filtering routes from the routing table.
2. Added PoE Watchdog SNMP Trap Notification.

## ENHANCEMENTS

1. Improved Alpha-ring performance.
2. Support for AXIS...etc. PoE camera access with auto-negotiation mode for extended PoE mode connection.
3. Improved the convergence time of MSTP within a network that contains 3rd party switches.

## BUG FIXES

1. [Web] Web interface would display incorrect PoE port power consumption info when PoE force mode is enabled.
2. [MSTP] After certain topology changes, the device would not send BPDUs with the correct path cost.
3. [SNMP] Using a 3<sup>rd</sup>-party MIB browser tool to retrieve the OID of LLDP from a public MIB file could cause the device to reboot.
4. [IGMP Snooping] When IGMP Snooping is disabled, multicast streams would still forward to the router port.
5. [CLI] If “show interface ge1” command is issued, incorrect packet info would be randomly displayed in the CLI.
6. [ACL] [Web/CLI] In the web interface, after an ACL configuration is set, if the device is rebooted and the ACL configuration is removed, the ACL configuration would still function.
7. [Web] The web interface would display an “Internal server error” message when more than 17 VLANs are created.
8. [OSPF] Improved CPU usage handling for when topology changes occur.

## RELEASE SUMMARY

Version: 5.00.2.4

Release Date: Nov. 13th, 2020

## SUPPORTED PRODUCTS

EX78900E Series	EX73900E Series	EX75900 Series
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## NEW FEATURES

1. **New Web GUI look and feel.**
2. **Added PoE Action feature - PoE power on individual ports can be controlled when digital-input is triggered during the specified time. This feature can benefit users who utilize PoE-powered lighting where the switches are able to toggle the lights through the switch's control signal.**
3. **Added SFTP (Secure File Transfer Protocol) capability.**

## ENHANCEMENTS

1. **Enhanced SFP DDM and auto sensing capability.**
2. **Improved ring convergence time and performance.**

## BUG FIXES

1. [Ring] When Alpha-ring is enabled on fiber ports, there would be a possibility that the remote switch may not send out FEF (Far End Fault) pattern as expected, causing abnormal behavior of the LED of the fiber ports on the local switch.
2. [GVRP] Once GVRP Dynamic-VLAN-Creation is set to disabled, dynamic VLANs would not be removed from the VLAN database once GVRP is disabled.
3. [Flow Control] When Flow Control is set to off (1G Fiber Port) by default, the flow control status would be open.
4. [MSTP & VRRP] Ping command may not work under certain MSTP and VRRP configuration environments.
5. [MSTP & VRRP] The switch would be unable to deliver VRRP advertisement packets due to MSTP paths of the instance being sent incorrectly under certain MSTP and VRRP configuration environments.

6. [RSTP] Within an RSTP environment, the device may not be accessible randomly after numerous cold starts.