



EtherWAN Managed Switch

Firmware Release Notes

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RELEASE SUMMARY

Version: 5.01.0.4

Release Date: Feb. 23th, 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 a web-based interface and USB drives.**
4. **Added PoE System Temperature to the private MIB file.**

BUG FIXES

1. [OSPF] The OSPF web configuration columns would disappear if you added more than 3 OSPF interfaces.
2. [SFTP] When the user entered an invalid IP address in the web SFTP setting, the switch was unable to determine if the file was downloaded successfully and would always prompt "Download now, please wait (95%) ...".
3. [MSTP] If one port is set as a trunk port, creating an instance and setting the port instance priority via CLI commands would cause the switch to reboot unexpectedly.
4. [Ring] In the Alpha-Ring section of the web GUI, the "500 - Internal Server Error" would occur occasionally after setting a port as a trunk port.
5. [Syslog] The current syslog.conf doesn't work correctly; it mixes up the user facility with the auth facility and sets the wrong log severity. It also creates many unimportant log messages while Telnet is attempting to retry.
6. [System Password] When using the GUI to set a password, the illegal character "?" could be used.
7. [Web/Telnet] Couldn't log in after configuring multi-user and changing the RADIUS mode to RADIUS User Local.
8. [Flow control] Flow control cannot work properly in the earlier release.
9. [OSPF/VRRP] Ping communication or SNMP requests will occasionally fail if the OSPF/VRRP topology has been changed or the switch rebooted.

10. [Redundant Pair] When the redundancy port is enabled and its media type is set to 100M SFP, the SFP port on the switch couldn't be in link up status.
11. [LLDP] Sending LLDP packets to the switch and the LLDP Neighbors Table cannot be displayed correctly from the web UI.



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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.**
- 5. Support updating configuration files by USB.**
- 6. Added a UDP port for remote logging host.**
- 7. Support for Redundant Pairs.**

BUG FIXES

1. [IGMP] The switch can only learn the first multicast group when the user intends to join more than one multicast group.
2. [SNMP] When MAC notification traps are triggered, the memory allocation is incorrect.
3. [PoE] MIB information shows incorrectly under PoE Extend Mode.
4. [CLI & IPv6] When using "no ipv6 nd suppress-ra" CLI command, the switch may reboot unexpectedly.
5. [Static MAC Entry] The switch may block and discard the multicast MACs on source port.
6. [Static MAC Entry] Can't set the discarded MAC of Static MAC Entry thru Web GUI.
7. [Web] The MAC information displays incorrectly in Web GUI when the VLAN activities and its multicast MAC address per port is set.
8. [CLI & Remote-log] When using "remote-log add 192.168.1.14" CLI command, the switch may reboot unexpectedly.
9. [DHCP-Server] DHCP Server cannot automatically assign IP address.
10. [MSTP] After MSTP port is set from Web GUI, it may result in "500-Internal Server Error" in the Web interface.

11. [System] After power is turned off and then on again, there is a small chance that the fiber ports of the switch may be shut down incorrectly.

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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 IEEE 802.3 BT support for PoE models (EX78900E, EX75900 and EX78900X series).**
 - a. Note:** The device will reboot twice before the firmware upgrade completes.
- 2. Added OSPF distribute-list feature, which allows filtering routes from the routing table.**
- 3. Added Watchdog SNMP Trap Notification.**

ENHANCEMENTS

- 1. Improved Alpha-ring performance.**
- 2. Support for AXIS...etc. PoE camera access with auto-negotiation mode under 250M PoE connection.**
- 3. Improved the convergence time of MSTP while interworking with 3rd party switches.**

BUG FIXES

- 1. [PoE] PoE port consumption was incorrect once port force mode is enabled.**
- 2. [MSTP] When topology changes occur, the device could not send BPDUs with the correct path cost.**
- 3. [SNMP] Using a 3rd-party MIB browser tool to retrieve OID of LLDP from public MIB file, could cause the device to reboot.**
- 4. [Ring-Coupling] [SNMP] SNMP information display was incorrect when the user set one ring-coupling port.**
- 5. [IGMP Snooping] When IGMP Snooping was disabled, multicast streams would still forward to the router port.**
- 6. [Interface] [CLI] Displayed incorrect result if “show interface ge1” command is issued.**

7. [ACL] [Web/CLI] When ACL configuration was removed from the web GUI and the device rebooted, ACL configuration would still function.
8. [Web] The web interface could deliver an “Internal server error” message when many VLANs (≥ 17) were created.
9. [OSPF] When topology changes occur, the CPU usage on devices may have chance to reach up to 100%.



EtherWAN Managed Switch

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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) feature.**

ENHANCEMENTS

- 1. Enhance SFP DDM and auto sensing capability.**
- 2. Improve ring convergence time and performance.**

BUG FIXES

- 1. [System] [Ring]** There is a slight chance that a fiber port does not function normally and cannot receive the traffic after the device reboots.
- 2. [Ring]** When Alpha-ring is enabled on fiber ports, there is 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.
- 3. [GVRP]** Once GVRP Dynamic-VLAN-Creation is set to disable, dynamic VLANs will not be removed from the VLAN database once GVRP is disabled.
- 4. [Flow Control]** When Flow Control is set to off (1G Fiber Port), the flow control status is actually open.

5. [MSTP & VRRP] The Ping command may not work under certain MSTP and VRRP configuration environments.
6. [MSTP & VRRP] The switch is unable to deliver VRRP advertisement packets due to MSTP paths of the instance being sent incorrectly under certain MSTP and VRRP configuration environments.
7. [SNMP] When setting SNMP OID `ewnStormDetectConfig` as “1”, the system will reboot unexpectedly in about 10 seconds.
8. [RSTP] Under RSTP environment, the system may not be accessible occasionally after the system has been cold-started.