



EtherWAN Managed Switch

Firmware Release Notes

Copyright 2020 (c) EtherWAN Systems, Inc.

RELEASE SUMMARY

Version: 2.02.7.6

Release Date: Nov. 27th, 2020

SUPPORTED PRODUCTS

EX78900 Series	EX73900 Series	EX77900 Series
EX83000 Series		

NEW FEATURES

- 1. Added OSPF distribute-list feature - allows filtering routes from the routing table.**

BUG FIXES

- 1. [System] Previously was unable to save configuration information into EB-232 dongle.**
- 2. [Telnet] After several attempts at Telnet connection, some switches could not be accessed through either Telnet or SSH.**



EtherWAN Managed Switch

Firmware Release Notes

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RELEASE SUMMARY

Version: 2.02.7.3

Release Date: Oct. 21th, 2020

SUPPORTED PRODUCTS

EX78900 Series	EX73900 Series	EX77900 Series
EX83000 Series		

NEW FEATURES

- 1. Add Storm Detect Trap only feature.**
- 2. Add force change password when the default password is not set.**

ENHANCEMENTS

1. The convergence time of MSTP with 3rd party switch takes too long to be completed once the disconnected link is restored.

BUG FIXES

3. [MSTP & VRRP] The ping command may be lost or unable to reach to the switch under certain MSTP and VRRP configuration environments.
4. [MSTP & VRRP] The switch is unable to deliver VRRP advertisement packets due to MSTP paths of instance being sent incorrectly under certain MSTP and VRRP configuration environments.
5. [MSTP] When MSTP topology change occurs and a long convergence time results in a high latency response under certain MSTP environments.
6. [Flow Control] When Flow Control is set to off (1G Fiber Port), the action of flow control is actually opened.



EtherWAN Managed Switch

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RELEASE SUMMARY

Version: 2.02.6.4

Release Date: March 27, 2020

SUPPORTED PRODUCTS

EX78900 Series	EX73900 Series	EX77900 Series
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NEW FEATURES

- 1. Add the "Radius User Login" feature.**
- 2. Add the "Save log to flash" feature.**

BUG FIXES

- 7. If the configuration of the ring-coupling has been changed, the ring-coupling port might have an incorrect port state in the bcm-shell after the topology change.**
- 8. In MAC-Auth, all interfaces can't be authenticated after unplugged/plugged.**
- 9. "Ingress" and "Egress" of port is back to default setting after DUT rebooting.**
- 10. Cold Start: One of the Switch will auto reboot after the error message is displayed.**
- 11. Lease time of DHCP Server is incorrect**



EtherWAN Managed Switch

Firmware Release Notes

Copyright 2019 (c) EtherWAN Systems, Inc.

RELEASE SUMMARY

Version: 2.02.3

Release Date: August 12, 2019

SUPPORTED PRODUCTS

EX78900 Series	EX73900 Series	EX77900 Series
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BUG FIXES

Fixed: When user upgraded to new firmware, the IP default-gateway was removed in running-config



EtherWAN Managed Switch

Firmware Release Notes

Copyright 2019 (c) EtherWAN Systems, Inc.

RELEASE SUMMARY

Version: 2.02.1

Release Date: 2019, Jan 7

SUPPORTED PRODUCTS

EX78900 Series	EX73900 Series	EX77900 Series
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NEW FEATURES

1.Added PoE watchdog

PoE Watchdog is a management feature to help system administrators monitor and manage critical PoE powered devices. PD Watchdog is only supported on PoE enabled ports. Once enabled, the system will continuously ping a user specified IP address across the port. If the system does not receive a reply within a specified interval, it can automatically power down or power cycle the powered device.

New CLI Commands: poe watchdog

Enable	PoE watchdog enable
failure-action	Action to take if check fails
	- No action
	- Power cycle (reboot PD)
	- Power off
max-failure-count	PoE Device check failure count
ping-interval	Ping interval
startup-delay	PoE Device startup delay check time
target-address	Failure check IP

2.EX78900 only: PoE can be extended to 250m with 10Mbps transfer speed

When the extend mode is enabled, single POE port supports 250m transmission distances and 10Mbps speed

New CLI Commands: poe extend-mode enable

3.Added MAC-Based Authorization

New CLI commands: auth-mac system-auth-control

auth-mac username-format UPPERCASE

4.Added LLDP for Media Endpoint Device

New CLI commands:lldp med-tlv-select location

location civic-address

location coordinate

location ecs-elin

5.Added IPv6 Addressing, Route and DHCPv6 Server

New CLI Commands: ipv6 address

get ipv6 dhcpv6 enable

dhcpv6-server enable

dhcpv6-server range

dhcpv6-server lease-time

ipv6 forwarding

ipv6 mroute

ipv6 neighbor

ipv6 route

7.Added Display the Device Serial Number

New CLI command: show serial number

8.Added EEE (Energy-Efficient Ethernet) setting is configurable (Enable / Disable)

New CLI commands: eee enable

MISCELLANEOUS CHANGES

- 1. Flow control is now turned off as default**
- 2. STP auto-edge is now disabled as default**
- 3. LLDP is now enabled by default**

BUG FIXES

- 12. Fix for a Radius interop issue with Cisco ISE, increasing the radius state from 48 to 256 characters**



EtherWAN Managed Switch

Firmware Release Notes

Copyright 2017 (c) EtherWAN Systems, Inc.

RELEASE SUMMARY

Version: 2.01.2

Release Date: 2017/Nov/1

SUPPORTED PRODUCTS

EX78900 Series	EX73900 Series	EX77900 Series
EX78921B Series	EX78921R Series	

BUG FIXES

Fixed: EX77900: Web Display of port numbers (xe1 thru xe4) are incorrectly shifted at Per Port VLAN Activities.

Fixed: EX77900: Set combo ports (Ge17-Ge24) 1Giga port to 100M/FD. Saving configuration and rebooting will cause SFP ports become disconnected.

Fixed: EX78900/EX73900: Set 1G copper Giga port(Ge1~Ge12) to 100M/FD, after saving configuration and rebooting bandwidth is incorrectly changed back to 1G.



EtherWAN Managed Switch

Firmware Release Notes

Copyright 2017 (c) EtherWAN Systems, Inc.

RELEASE SUMMARY

Version: 2.01.1

Release Date: 2017/Sep/12

SUPPORTED PRODUCTS

EX78900 Series	EX73900 Series	EX77900 Series
EX78921B Series	EX78921R Series	

NEW FEATURES

1. Added Routing protocols

Static routing

RIP V1/V2

2. Added Routing redundancy protocol

VRRP

3. Added PoE force mode on EX78900 series

New CLI Commands:

To display the device's model number:

CLI Command Mode: **Privileged Exec Mode**

Enable poe force mode globally

To enable poe force mode, use the following CLI command:

CLI Command Mode: Global config

CLI Command Syntax: [no] poe force-power enable

Enable poe force mode on a port

To enable poe force mode, use the following CLI command:

CLI Command Mode: Interface config

CLI Command Syntax: poe force-power on

no poe force-power

BUG FIXES

Fixed: Fixed the GVRP Applicant to run in Active mode on a port, the GVRP protocol will not send out any PDUs from a port if the port is being blocked by STP

Fixed: After joining a multicast group, the multicast stream was not being forwarded to receivers after 30 seconds even the receivers tried re-joining the same multicast group afterwards

Fixed: The pre-assigned Class of Service (CoS) priority value was altered in tagged frames

Fixed: Rebooted a switch would cause it to reboot if Multiple Spanning Tree Protocol (MSTP) and Port Aggregation had been configured.