

ZYXEL

Software Release Note NebulaFlex Switch XS1930 Series

Date: Aug. 12, 2024

Zyxel NebulaFlex Switch XS1930 Series

V4.80(AB__.4)C0 Release Note

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This document describes the features in the XS1930 series for its 4.80(AB__.4)C0 release.

XS1930 series is a hybrid switch with NebulaFlex technology to support operation in either Standalone mode or Nebula cloud management mode.

Supported Platforms

Support Platform	Firmware version	Boot Version
Zyxel XS1930-10	V4.80(ABQE.4)C0	V1.00 08/26/2019
Zyxel XS1930-12HP	V4.80(ABQF.4)C0	V1.00 08/26/2019
Zyxel XS1930-12F	V4.80(ABZV.4)C0	V1.00 03/12/2021

New Feature and Enhancements

New Feature and Enhancements

1. [Standalone] Enhance security by forcing users to change the password after first login.
2. [Standalone] Support Zyxel Private MIB. (Access L3 License is not required.)
 - Hardware Monitor
 - Power Ethernet
 - Transceiver
3. [Standalone][Nebula] Expand NTP servers from 1 to 3.
4. [Nebula] Unlock the Port Buffer feature on the local Web GUI.
5. [Nebula] Enhance the cloud auto recovery mechanism to prevent the device from being locked when the connection is unstable.

Bug fix

Bug fix	Nebula	Standalone
1. [eITS #240300121] Resolve issues related to port link-up failures.	V	V
2. [eITS #231100378][eITS#240300119] The SNMP status on the dashboard is not consistent with actual configuration.	-	V
3. [eITS #230500318] Fixed failing to import certificate while the file size is over 5k.	-	V
4. [eITS #230901020] Switch sometime disconnect with NCC when DNS requery find server IP has changed.	V	-
5. Fixed switch crash issue caused by receiving LLDP packets with over chassis ID lengths.	V	V
6. [eITS #231001888] Fixed fail to add policy rule issue when binding the second classifier containing the same socket range as the first one.	-	V
7. [eITS #240100009] Fixed memory leak issue causing packet switching failure when the switch configures a non-existent IPv6 gateway and receives numerous unknown IPv6 packets.	-	V
8. [eITS #231201249] Fixed switch may reboot automatically when receiving IPv6 packets.	-	V
9. [eITS #240200888] The switch crashes due to field length limitation when the index button at IPv6 table is clicked.	-	V
10. [eITS #230801482] Fixed an issue causing the switch to repeatedly switch from standalone mode to cloud mode leading to switch offline.	V	-

Bug fix	Nebula	Standalone
11. [eITS #240201138] Fixed an error caused by changing VLAN port settings after adjusting Voice VLAN ID.	-	V
12. [eITS #240301821] Restore wrong type of configuration without displaying an error message.	-	V
13. [eITS #240300246] The switch hangs when an IPv6 client roams.	-	V
14. [eITS #240500205] Switch hang when click PD "Reset" via Neighbor page.	-	V
15. [eITS #240501702] Fixed device IP address and uplink usage are not displayed correctly on Nebula.	V	-
16. Fix the issue where checking the IPv6 routing table on the web causes the device to crash.	-	V

Known Issue

Known Issue	Nebula	Standalone
1. Link aggregation only can use 2 criteria at the same time. Trunks using the third criteria won't link up.	-	V
2. Force 100M will not link up when connecting a straight-through RJ45 cable, please use crossover cable.	V	V
3. Ingress rate limit of TCP traffic is inaccurate when value limits above 300M.	V	V
4. The accuracy of cable diagnostic is +- 15m. When without cables, the value of distance to fault would not be 0.	V	V

Known Issue	Nebula	Standalone
5. When EEE is enabled, frame lost via EEE port, which fixed speed at 5G or 2.5G.	-	V
6. The link LED will turn on when plug-in SFP-100TX or SFP-1000T while cable is not connected.	V	V
7. When set port speed auto and the peer port is force 100Mbps, the link will up at 10Mbps Half.	V	V
8. The switch cannot access cluster member when cluster member's password been encrypted.	-	V
9. When auto-negotiation fails or recovery occurs, the switch does not record syslog nor send out SNMP traps.	V	V
10. [MIB]Get "dot1qTpGroupEgressPorts" and "dot1qTpGroupLearnt" are empty.	V	V
11. Unknown multicast drop cannot operate on group "0000:00xx", "ff0x::db8:0:0/96" for IPv6. Recommended work around solution is to create static Multicast Forwarding entry with empty port for each multicast group that needs to be filtered. *	-	V
12. We strongly recommend user to upgrade to the latest XS1930 firmware to have better protection for Switch with 10G port operation. In case of identify port failure on the switch, please follow RMA process to send the device for repair.	V	V

* Example to setup Static Multicast Forwarding entry with empty port:

Static Multicast Forwarding	
Active	<input checked="" type="checkbox"/>
Name	Mcast_Drop1
MAC Address	01:00:5e:00:00:01
VID	1
Port	<div style="border: 2px solid red; width: 150px; height: 1.2em; display: inline-block;"></div> ← leave empty

Add

Cancel

Clear

Limitation of Settings:

Limitation of Setting	Nebula	Standalone
1. 802.1Q Static VLANs	1k	1K
2. Static MAC forwarding entry	-	256
3. MAC filtering entry	256	256
4. Static ARP entry	-	256
5. MAC table	16K	16K
6. IP address table	512	512
7. Multicast group	10: 256 12HP/12F: 1K	10: 256 12HP/12F: 1K
8. IPv4 ACL	128	128
9. IPv6 ACL	-	128
10. IPv4 Static route max entry	32	32
11. IPv6 Static route max entry	-	32
12. IPv4 interface	32	32
13. IPv6 interface	-	32
14. Trunk groups	10: 5 12HP/12F: 6	10: 5 12HP/12F: 6
15. Per trunk group port number	8	8
16. MSTP instance	-	0- 16
17. IGMP snooping VLAN	16	16
18. IGMP snooping unknown multicast drop VLAN	8	8

Limitation of Setting	Nebula	Standalone
19. IGMP snooping unknown-multicast-frame querier-port forwarding maximum VLAN	8	8

Change History

- V4.80(AB__.4) | 08/12/2024
- V4.80(AB__.3) | 10/06/2023
- V4.80(AB__.2) | 06/28/2023
- V4.80(AB__.1) | 02/09/2023
- V4.80(AB__.0) | 12/26/2022
- V4.70(AB__.4) | 06/30/2022
- V4.70(AB__.3) | 05/06/2022
- V4.70(AB__.2) | 03/08/2022
- V4.70(AB__.1) | 12/22/2021
- V4.70(AB__.0) | 09/08/2021
- V4.60(ABQ_.5) | 04/08/2021
- V4.60(ABQ_.4) | 01/20/2021
- V4.60(ABQ_.2) | 09/29/2020
- V4.60(ABQ_.1) | 05/11/2020
- V4.60(ABQ_.0) | 01/14/2019