



Software Release Note
NebulaFlex Switch XS1930 Series

Date: JUN. 30, 2022

Zyxel NebulaFlex Switch XS1930 Series

V4.70(AB__.4)C0 Release Note

Date: June 30, 2022

This document describes the features in the XS1930 series for its 4.70(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	V4.70(ABQE.4)C0	V1.00 08/26/2019
Zyxel XS1930-12HP	V4.70(ABQF.4)C0	V1.00 08/26/2019
Zyxel XS1930-12F	V4.70(ABZV.4)C0	V1.00 03/12/2021

New Feature and Enhancements

Feature	Cloud	Standalone
1. Adjust 10G Ethernet port parameter for better overheat protection design. We strongly recommend user to upgrade to the latest firmware to have better overheat protection for Switch with 10G port operation	V	V
2. Wide Range Detection is integrated into Force-802.3at mode.	-	V

Bug fix

Bug fix	Cloud	Standalone
1. [CVE-2022-0778] Vulnerability protection to avoid DoS condition by OpenSSL infinite loop issue.	V	V
2. [eITS #210900900] Nebula CC may display incorrect ports' TX/RX data.	V	-
3. DHCP client is not sending decline packet when assigned IP from DHCP server conflicted with other device.	V	V
4. [eITS #210701300] Switch supports IGMPv3 packet for source-type of "block source" parameter.	V	V
5. [eITS #211000376] Support zyDateTimeServerIpAddress (1.3.6.1.4.1.890.1.15.3.82.1.2) MIB.	-	V
6. [eITS #220201375] Radius login user gets the admin privilege without enabling authorization Exec.	-	V

Known Issue

Known Issue	Cloud	Standalone
1. Ingress rate limit of TCP traffic is inaccurate when value limits above 300M.	V	V
2. The accuracy of cable diagnostic is +- 15m. When without cables, the value of distance to fault would not be 0.	V	V
3. When EEE is enabled, frame lost via EEE port, which fixed speed at 5G or 2.5G	-	V
4. The link LED will turn on when plug-in SFP-100TX or SFP-1000T while cable is not connected.	V	V

Known Issue	Cloud	Standalone
5. When set port speed auto and the peer port is force 100Mbps, the link will up at 10Mbps Half	V	V
6. Unknown multicast drop cannot operate on group "224.0.1.x", "239.x.x.x" for IPv4 and "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

* 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></div> ← leave empty

Add
Cancel
Clear

Limitation of Settings:

Limitation of Setting	Cloud	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

Limitation of Setting	Cloud	Standalone
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

Change History

- 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