



Software Release Note
NebulaFlex Switch GS1920V2 Series

Date: Jul. 15, 2024

Zyxel NebulaFlex Switch GS1920V2 Series

V4.80(AB__.1)C0 Release Note

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This document describes the features in the GS1920V2 for its 4.80(AB__.1)C0 release.

GS1920V2 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 GS1920-8HPv2	V4.80(ABKZ.1)C0	V1.00 04/12/2018
Zyxel GS1920-24v2	V4.80(ABMH.1)C0	V1.00 04/12/2018
Zyxel GS1920-24HPv2	V4.80(ABMI.1)C0	V1.00 04/12/2018
Zyxel GS1920-48v2	V4.80(ABMJ.1)C0	V1.00 04/12/2018
Zyxel GS1920-48HPv2	V4.80(ABMK.1)C0	V1.00 04/12/2018

New Feature and Enhancements

New Feature and Enhancements

1. [Nebula] Enhance the cloud auto recovery mechanism to prevent the device from being locked when the connection is unstable.
2. [Standalone] Enhance security by forcing users to change the password after first login.
3. [Standalone] Support Zyxel Private MIB
 - Hardware Monitor
 - Power Ethernet
 - Transceiver
4. [Standalone][Nebula] Enhance security by supporting the ECDSA algorithm in SSH.
5. [Standalone][Nebula] Expand NTP servers from 1 to 3

Bug fix

Bug fix	Nebula	Standalone
1. [Vulnerability] Fixed crash issue when receive an unexpected HTTPs request content.	V	V
2. Fixed switch crash issue caused by receiving LLDP packets with over chassis ID lengths.	V	V
3. [eITS#230400140] Fixed switch crashed issues that is caused by Nessus version 10.5.1 to scan SSH.	V	V
4. [eITS#230700521] Fixed crash issue which receiving an unexpected format DHCP packet when device enable DHCP snooping.	V	V
5. [eITS#230801140] Fixed the crash when enable IPv6 and receiving an IPv6 NA packet.	-	V
6. [eITS#231201249] Fixed switch may reboot automatically when receiving IPv6 packets.	-	V
7. [eITS#221201201] Getting logging information that contains special characters causes switch hang.	V	V
8. [eITS#240500205] Switch hang when click PD "Reset" via Neighbor page	-	V
9. [eITS#230301533] Fixed reading mib zyxellpsglInfoTable fail.	V	V
10. [eITS#230301330] Fixed failing to import certificate while the file size is over 5k	-	V
11. [eITS#230400154] Fixed failing to delete inactive classifiers even though they are not bound to any policies.	-	V
12. [eITS#230500677] Fixed timer unexpected goes slowly after lots of STP topology change occur.	V	V
13. [eITS#230500705][eITS#230901020] Switch sometime disconnect with NCC when DNS	V	-

Bug fix	Nebula	Standalone
requery find server IP has changed.		
14. [Forum] Fix incorrect swif0 interface counter in standard IfEntry MIB.	V	V
15. [eITS#230901020] Switch sometime disconnect with NCC when DNS requery find server IP has changed.	V	-
16. [eITS#231001888] Fixed fail to add policy rule issue when binding the second classifier containing the same socket range as the first one.	-	V
17. [eITS#240200888] The switch crashes due to field length limitation when the index button at IPv6 table is clicked.	-	V
18. [eITS#230801482] Fixed an issue causing the switch to repeatedly switch from standalone mode to cloud mode leading to switch offline.	V	-
19. [eITS#240301159] IPv6 traffic drop or has high latency due to ACL trap the traffic.	V	V
20. [eITS#240201138] Fixed an error caused by changing VLAN port settings after adjusting Voice VLAN ID.	-	V
21. [eITS#240301821] Restore wrong type of configuration without displaying an error message	-	V

Known Issue

Known Issue	Nebula	Standalone
1. Ingress rate limit of TCP traffic is inaccurate when value limits above 300M.	V	V
2. Create an IP static binding first, and then send an illegal IP traffic with the same MAC address but different IP address. The illegal IP traffic cannot be filtered.	-	V
3. The accuracy of cable diagnostic is +/-15m. When without cables, the value of distance to fault would not be 0.	V	V
4. Does not support to diagnose 10M-Full Duplex, "unknown" message will appear.	V	V
5. [GS1920-48HP] To change PoE configuration may take seconds to effect.	-	V
6. The switch cannot access cluster member when cluster member's password been encrypted.		V
7. Link aggregation only can use 4 criteria at the same time. Trunks using the fifth criteria won't link up.		V

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. Cluster member	-	24
5. Port-security max address-limit number	16K	16K
6. Syslog server entry	2	4
7. MAC table	16K	16K
8. Multicast group	1K	1K
9. ACL	128	256
10. DHCP Relay Entry	-	16
11. Static ARP entry	-	256
12. Static route max entry	-	32
13. Trunk groups	5/14/16	5/14/16
14. Per trunk group port number	8	8
15. MSTP instance	-	0-16
16. Voice VLAN OUI entry	6	6
17. Vendor-ID based VLAN	8	8
18. MAC-based VLAN	-	50
19. ZON neighbor per-port maximum clients	10	10
20. IP source guard	128	512

Change History

- V4.80(AB__.1) | 07/15/2024
- V4.80(AB__.0) | 04/18/2023
- V4.70(AB__.8) | 10/14/2022
- V4.70(AB__.7) | 08/26/2022
- V4.70(AB__.6) | 03/07/2022
- V4.70(AB__.5) | 12/15/2021
- V4.70(AB__.4) | 06/18/2021
- V4.70(AB__.3) | 06/01/2021
- V4.70(AB__.2) | 03/15/2021
- V4.70(AB__.1) | 01/20/2021
- V4.70(AB__.0) | 08/04/2020
- V4.60(AB__.0) | 10/10/2019