



Software Release Note
NebulaFlex Switch GS2220 Series

Date: December 1, 2021

Zyxel NebulaFlex Switch GS2220 Series

V4.70(AB__.5)C0 Release Note

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This document describes the features in the GS2220 for its 4.70(AB__.5)C0 release.

GS2220 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 GS2220-10	V4.70(ABRO.5)C0	V1.00 09/20/2019
Zyxel GS2220-10HP	V4.70(ABRP.5)C0	V1.00 09/20/2019
Zyxel GS2220-28	V4.70(ABRQ.5)C0	V1.00 09/20/2019
Zyxel GS2220-28HP	V4.70(ABRR.5)C0	V1.00 09/20/2019
Zyxel GS2220-50	V4.70(ABRS.5)C0	V1.00 09/20/2019
Zyxel GS2220-50HP	V4.70(ABRT.5)C0	V1.00 09/20/2019

New Feature and Enhancements

None

Bug fix

Bug fix	Cloud	Stacking	Standalone
1. eITS# 210601354 VLAN port setting "Acceptable Frame Type" configured with "Tag only" causing switch port cannot learn MAC-address.	-	-	V
2. eITS#210700043 Sometimes fiber port fail to link up after rebooting switch or reactivated fiber port.	V	-	V
3. eITS#210501421	V	-	-

Bug fix	Cloud	Stacking	Standalone
Switch will sometimes lose management after Nebula performs periodic operation to save configuration.			
4. eITS#211000058 When switch port received a 64-bit multicast packet, the switch port will display an abnormal multicast counter.	V	-	V
5. eITS#211100996 Compound authentication loose mode combined with MAC-authentication should allow traffic to proper VLAN upon authentication approval, it currently moves all traffic to guest VLAN regardless of authentication status.	-	-	V
6. Fix Switch name display issue when an inputted space character occupies extraordinary amount of memory.	V	-	-

Known Issue

Known Issue	Cloud	Stacking	Standalone
1. [Bandwidth Control] Ingress rate limit of TCP traffic is inaccurate when value limits above 300M.	V	-	V
2. [IP source guard] 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. [Green Ethernet] The status of short-reach will display incorrectly.	-	-	V

Known Issue	Cloud	Stacking	Standalone
4. [Diagnostic] The accuracy of cable diagnostic is +- 15m. When without cables, the value of distance to fault would not be 0.	V	-	V
5. [Diagnostic] Does not support to diagnose 10M-Full Duplex, "unknown" message will appear.	V	-	V
6. [Panel LED] The link LED will turn on when plug-in SFP-100TX or SFP-1000T while cable is not connected.	V	-	V
7. [VLAN] The VLAN Mapping doesn't work with untagged frame.	-	-	V

Limitation of Settings:

Limitation of Setting	Cloud	Stacking	Standalone
1. 802.1Q Static VLANs	1k	-	1K
2. Static MAC forwarding entry	256	-	256
3. MAC filtering entry	256	-	256
4. Cluster member	-	-	24
5. Port-security max address-limit number	-	-	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

Limitation of Setting	Cloud	Stacking	Standalone
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

Change History

- V4.70(AB__.4) | 06/18/2021
- V4.70(AB__.3) | 06/01/2021
- V4.70(AB__.2) | 03/03/2021
- V4.70(AB__.1) | 01/20/2021
- V4.70(AB__.0) | 08/04/2020
- V4.60(AB__.0) | 10/10/2019