



**Software Release Note**  
**NebulaFlex Switch GS2220 Series**

Date: Oct. 11, 2022

# Zyxel NebulaFlex Switch GS2220 Series

## V4.70(AB\_\_.6)C0 Release Note

**Date: October 11, 2022**

This document describes the features in the GS2220 for its 4.70(AB\_\_.6)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.6)C0	V1.00   09/20/2019
Zyxel GS2220-10HP	V4.70(ABRP.6)C0	V1.00   09/20/2019
Zyxel GS2220-28	V4.70(ABRQ.6)C0	V1.00   09/20/2019
Zyxel GS2220-28HP	V4.70(ABRR.6)C0	V1.00   09/20/2019
Zyxel GS2220-50	V4.70(ABRS.6)C0	V1.00   09/20/2019
Zyxel GS2220-50HP	V4.70(ABRT.6)C0	V1.00   09/20/2019

### New Feature and Enhancements

New Feature and Enhancements	Cloud	Standalone
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. [Vulnerability] Vulnerability protection for unauthenticated Denial-of-Service (DoS) by RpAnalyzeHttpRequest.	V	V
3. [DHCP] DHCP client is not sending decline packet when assigned IP from DHCP server conflicted with other device.	V	V
4. [ITS: 210501222]	V	V

Bug fix	Cloud	Standalone
Web GUI login page may encounter display error or problem to display proper login page when Switch is under concurrent TCP ping task.		
5. [ITS: 210900900] Nebula CC may display incorrect ports' TX/RX data	V	-
6. [ITS: 210701300] Switch supports IGMPv3 packet for source-type of "block source" parameter for Fast-leave.	V	V
7. [ITS: 220400686] Networked AV mode wizard allow user to set different VLAN interface with same IP address.	-	V
8. Support zyDateTimeServerIpAddress (1.3.6.1.4.1.890.1.15.3.82.1.2) MIB.	-	V
9. [ITS: 220500960] Disabling 802.1x or guest VLAN functionality on other ports will cause the authenticated clients to disconnect and require re-authentication.	V	V
10. [ITS: 220700265] Firmware upgrade fails when the policy rule is bound to multiple classifiers.	-	V
11. [ITS: 220701015] Default setting switch might answer ICMP request for unknown IP in the different subnet	-	V

## Known Issue

Known Issue	Cloud	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]	-	V

Known Issue		Cloud	Standalone
The status of short-reach will display incorrectly.			
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	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

Limitation of Setting	Cloud	Standalone
12. Static route max entry	32	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

## Change History

- V4.70(AB\_\_.6) | 10/11/2022
- V4.70(AB\_\_.5) | 12/01/2021
- 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