



**Software Release Note**  
**NebulaFlex Switch GS1350**  
**Series**

## Zyxel NebulaFlex Switch GS1350 Series

### V4.90(AB\_\_.1)C0 Release Note

**Date: February 27, 2024**

---

This document describes the features in the GS1350 for its 4.90(AB\_\_.1)C0 release. GS1350 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 GS1350-6HP	V4.90(ABPI.1)C0	V1.00   02/22/2019
Zyxel GS1350-12HP	V4.90(ABPJ.1)C0	V1.00   02/22/2019
Zyxel GS1350-18HP	V4.90(ABPK.1)C0	V1.00   02/22/2019
Zyxel GS1350-26HP	V4.90(ABPL.1)C0	V1.00   02/22/2019

## New Feature and Enhancements

---

### New Feature and Enhancements

1. [Standalone] Supports auto STP path cost which will determine path cost by the port's current link speed.
2. [Standalone] Supports "Account Security" option on WEB GUI to encrypt admin/user account passwords and options to display user/AAA/SNMP credentials
3. [Standalone] NCC discovery adds reminder to save configurations.
4. [Standalone] Extend RADIUS server support range from IPv4 to IPv6.
5. [Standalone] Enhance security by forcing users to change the password after first login.
6. [Standalone] Enhance Auto PD recovery with a ping test button to verify connectivity.
7. [Standalone] Enable Nebula Control Center Discovery by default setting.
8. [Standalone] Add option 82 profile name in DHCP relay VLAN setting table
9. [Standalone] Add note on cable diagnostics to inform the operating limits for local webgui.
10. [Standalone][Nebula] The year of Time Range page starts with current system time.
11. [Standalone][Nebula] The admin account can be changed, providing flexibility and security to the network management system.
12. [Standalone][Nebula] Support user uses "setup.zyxel.com" directly to access local web GUI.
13. [Standalone][Nebula] Support public key authentication for SSH.
14. [Standalone][Nebula] Support logs to indicate the cause of CPU high.
15. [Standalone][Nebula] Strengthen user security with the encryption of Radius shared secret.
16. [Standalone][Nebula] Strengthen security for network management with built-in notification in case of abnormal login attempt.

17. [Standalone][Nebula] Renovate Web GUI layout for better usability of Switch management.
18. [Standalone][Nebula] Remote management offers support for IPv6.
19. [Standalone][Nebula] Log information for IP conflict between Switch and gateway both obtain the same IP address.
20. [Standalone][Nebula] Intuitive Cloud connection status with help message.
21. [Standalone][Nebula] Improve Dashboard's port link speed color display to enhance user experience and intuitiveness.
22. [Standalone][Nebula] The login page will automatically redirect from HTTP to HTTPS to enhance network security.
23. [Standalone][Nebula] Enhance security by supporting the ECDSA algorithm in SSH.
24. [Standalone][Nebula] Disable Telnet feature by default setting
25. [Standalone][Nebula] Allow SSH and CLI commands to be combined and display the command result directly.
26. [Standalone][Nebula] Adding the Port Setup link when clicking switch port icon on the dashboard.
27. [Nebula] Unlock local Web GUI for cloud mode.
28. [Nebula] Unlock CLI to support full configuration in cloud mode.
29. [Nebula] The interval time of Loop guard err-disable recovery can be configured now.
30. [Nebula] Support Hardware monitor (CPU/Memory/Temperature).
31. [Nebula] Support DHCP relay and added DHCP option 82 for DHCP relay.
32. [Nebula] Support auto configuration recovery on Nebula to prevent loss connection with NCC by misconfiguration.
33. [Nebula] Provide the Nebula password reminder on login page of web GUI.

34. [Nebula] Nebula Switch supports SSH connection to access command line for advanced features.

## Bug fix

Bug fix	Nebula	Standalone
1. [eITS#230800182] Fixed open source packages related vulnerabilities. [CVE-2016-0799][CVE-2016-2177] [CVE-2016-2182][CVE-2016-2842] [CVE-2016-0797][CVE-2016-2105] [CVE-2016-2106][CVE-2016-2109] [CVE-2021-23840][CVE-2021-3712] [CVE-2016-6306][CVE-2017-3735] [CVE-2017-3737][CVE-2018-0739] [CVE-2019-1547][CVE-2021-23841] [CVE-2016-0701][CVE-2019-1563]	V	V
2. Fixed time range not work in v4.90 patch 0.	-	V
3. [eITS#231201249] Fixed configure DHCPv6 client may cause switch crash	-	V
4. [eITS#240200888] Switch crashes because the length of assigned IPv6 address is too long	-	V
5. [eITS#220900092] Fixed OpenSSH related vulnerabilities. [CVE-2010-5107][CVE-2015-5600][CVE-2016-6515].	V	V
6. [eITS#221101240] Fix recording syslog may cause memory leak.	V	V
7. [eITS#221101132] After restoring config via SFTP may cause fail due to syntax error.	V	V

8.	[eITS#221201201] Getting logging information that contains special characters causes switch hang.	V	V
9.	[eITS#230301330] Fixed failing to import certificate while the file size is over 5k.	-	V
10.	[eITS#230400140] Fixed switch crashed issues that is caused by Nessus version 10.5.1 to scan SSH.	V	V
11.	[eITS#230500677] Fixed timer unexpected goes slowly after lots of STP topology change occur.	V	V
12.	[eITS#230500705][eITS#230901020] Switch sometime disconnect with NCC when DNS requery find server IP has changed.	V	-
13.	[eITS#230700521] Fix crash issue which receiving an unexpected format DHCP packet when device enable DHCP snooping.	V	V
14.	[eITS#230801140] Fix the crash when enable IPv6 and receiving an IPv6 NA packet.	-	V
15.	[eITS#231001905] After switch crash, switch cannot successfully reboot.	V	V
16.	[eITS#221200596] Fixed the issue where the switch fails to process NTP packets, causing incorrect timing and not being able to show device status on NCC.	V	-

## Known Issue

---

Known Issue	Nebula	Standalone
1. Enabling "Unknown Multicast Drop" in IGMP Snooping will cause the ZON Utility to be unable to discover Zyxel devices.	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. The switch cannot access cluster member when cluster member's password been encrypted.		V

## Limitation of Settings:

---

Limitation of Setting	Nebula	Standalone
1. 802.1Q Static VLANs	256	256
2. Static MAC forwarding entry	-	256
3. MAC filtering entry	256	256
4. Cluster member	-	24
5. Syslog server entry	2	4
6. Multicast group	1k	1k
7. DHCP snooping binding table	-	16K
8. DHCP relay entry	16	16
9. Trunk groups	3/6/8/8	3/6/8/8



10.	Per trunk group port number	8	8
11.	Mac-based VLAN	-	50
12.	Voice VLAN OUI entry	6	10
13.	ZON neighbor per-port maximum clients	-	10

## Change History

---

- V4.90(AB\_\_.1) | 02/27/2024
- V4.90(AB\_\_.0) | 01/31/2024
- V4.70(AB\_\_.5) | 11/02/2022
- V4.70(AB\_\_.4) | 08/30/2022
- V4.70(AB\_\_.3) | 08/05/2022
- V4.70(AB\_\_.1) | 04/12/2021
- V4.70(AB\_\_.0) | 08/04/2020
- V4.60(AB\_\_.0) | 10/10/2019