

ZYXEL

Software Release Note **NebulaFlex Switch XS3800 Series**

Date: Apr. 07, 2026

Zyxel NebulaFlex Switch XS3800 Series

V4.80(ABML.5)C0 Release Note

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This document describes the features in the XS3800 series for its 4.80(ABML.5)C0 release.

XS3800 series is a hybrid switch with NebulaFlex technology to support operation in either Standalone mode or Nebula cloud management mode.

Supported Platforms

Support Platform	ZyNOS Firmware version	Boot Version
Zyxel XS3800-28	V4.80(ABML.5)C0	V3.00 06/14/2019

New Feature and Enhancements

New Feature and Enhancement

1. Optimized system stability and synchronization with Nebula to enhance overall device connectivity and management reliability.
2. Enhance SNMPv3 credential security by applying cipher-based encryption to the username and password.

Bug fix

Bug fix	Nebula	Standalone
1. [ITS# 251001963] Enhanced queue protection mechanism and MAC address roaming handling to prevent high CPU utilization and system hang during burst Layer 2 roaming events.	V	V

Known Issue

Known Issue	Nebula	Standalone
1. ACL policy rule's priority and 802.1p queue (in Basic setting -> Port Setup) action should be combined to take effect.	-	V
2. ACL cannot support configuration of layer 4 socket port range when using IPv6.	-	V
3. Fiber ports 21-28 cannot support port speed mode: Auto-Negotiation 1000M.	V	V
4. SFP transceiver incompatible with delta LCP-1250RJ3SR-S.	V	V
5. Check illegal ARP packets and illegal IP packets should be dropped while enable IPSG, port security and LACP.	-	V
6. DHCP discover packets would be incorrectly flooded to other ports in case of enabling ARP Inspection + DHCP Snooping + Ingress Check + Port Security simultaneously.	-	V
7. Alignment error packet count error on boundary packet size.	V	V
8. Queuing method using WRR or WFQ queue based traffic rate is correct, but multiple traffic mapping to same queue, those traffic rate won't be balanced.	V	V
9. Change the IP source guard mode, the ARP Inspection Filter table could not be flushed.	-	V
10. 10G port throughput can't reach full rate when the traffic is go through stacking port because control packets occupy few bandwidth.	V	V

Known Issue	Nebula	Standalone
11. Plugin 1000T transceiver without cable, port will link up when set to 1000-full.	V	V
12. The cable diagnostic result may not be accurate.	V	V
13. While enabling IPSG and Port mirroring, ARP packets should not be blocked on stacking port by ARP-inspection.	V	-
14. The client list of DHCPv6 server will not be synchronized to other stacking slots.	-	V

Limitation of Settings:

Limitation of Setting	Nebula	Standalone
1. VLAN1Q static entry	1k	4k
2. Static MAC forwarding entry	-	256
3. MAC filtering entry	256	256
4. Cluster member	-	24
5. IP routing domain	128	128
6. IGMP Filtering entry	256	256
7. IGMP MVR entry	-	256
8. VRRP entry	-	64
9. Protocol based VLAN entries per port	-	7
10. Port-security max address-limit number	32k	32k
11. DHCP Server	-	16
12. Syslog server entry	2	4
13. IP source guard entry	128	1k
14. IP subnet based VLAN entry	-	16
15. MVR VLAN entry	-	5
16. VLAN-stacking Selective QinQ entry	-	1k
17. VLAN -mapping entry	-	1k
18. MAC table	32k	32k
19. Routing table	2k	2k
20. DHCP snooping binding table	-	16k
21. Multicast group	1k	1k
22. IPv4 ACL	128	384
23. IPv6 ACL	-	128
24. Policy route	-	64
25. DHCP option 82 profile	-	130
26. Remote port monitoring vlan	-	10
27. Static ARP entry	-	256
28. Static route max entry	64	64
29. MAC-based VLAN	-	1k
30. Voice VLAN OUI entry	6	10

Limitation of Setting	Nebula	Standalone
31. ZON neighbor per-port maximum clients	-	10
32. IPv6 Source Guard binding table	-	100
33. Queue	6	8
34. LAG Trunk groups	14	14*
35. LAG max port per trunk	8	8

*In stacking mode, up to 48 trunk groups are supported.

Change History

- V4.80(AMBL.5) | 04/07/2026
- V4.80(AMBL.4) | 09/23/2025
- V4.80(AMBL.3) | 10/07/2024
- V4.80(AMBL.2) | 07/03/2023
- V4.80(AMBL.1) | 10/18/2022
- V4.80(AMBL.0) | 07/15/2022
- V4.70(AMBL.1) | 03/23/2021
- V4.70(AMBL.0) | 10/12/2020
- V4.60(AMBL.3) | 09/12/2019
- V4.60(AMBL.2) | 05/30/2019
- V4.60(AMBL.1) | 01/04/2019