

ZYXEL

Software Release Note NebulaFlex Switch XS3800 Series

Date: Oct. 18, 2022

Zyxel NebulaFlex Switch XS3800 Series

V4.80(ABML.1)C0 Release Note

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This document describes the features in the XS3800 series for its 4.80(ABML.1)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	Firmware version	Boot Version
Zyxel XS3800-28	V4.80(ABML.1)C0	V3.00 06/14/2019

New Feature and Enhancements

None

Bug fix

Bug fix	Cloud	Standalone
1. [Vulnerability] Vulnerability protection for unauthenticated Denial-of-Service (DoS) by RpAnalyzeHttpRequest.	V	V
2. [eITS#210700487] The VLAN string of relay status on DHCPv4 is exceed the maximum length, causing switch hanged when accessing DHCPv4 page on web GUI.	-	V

Bug fix	Cloud	Standalone
3. [eITS#210701844] In stacking mode, if DAC cables are connected to switch port 27 and 28 before rebooting or powering up, switch won't boot up successfully.	-	V
4. [eITS#211200676] In stacking mode, backup switch may not apply configuration correctly when taking over master role.	-	V
5. [eITS#211000040] MLD snooping error message too long causes switch memory overflow and crash.	-	V
6. [eITS#210100302] Memory leakage issue occurs when switch query SNMP OIDs, causing switch crashed.	V	V

Known Issue

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

Known Issue	Cloud	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

Limitation of Settings:

Limitation of Setting	Cloud	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. ACL	128	512
23. Policy route	-	64
24. DHCP option 82 profile	-	130

Limitation of Setting	Cloud	Standalone
25. Remote port monitoring vlan	-	10
26. Static ARP entry	-	256
27. Static route max entry	64	64
28. MAC-based VLAN	-	1k
29. Voice VLAN OUI entry	6	10
30. ZON neighbor per-port maximum clients	-	10
31. IPv6 Source Guard binding table	-	100
32. Queue	6	8

Change History

- 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