



Software Release Note
NebulaFlex Switch XS3800 Series

Date: March 23, 2021

Zyxel NebulaFlex Switch XS3800 Series

V4.70(ABML.1)C0 Release Note

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This document describes the features in the XS3800 series for its 4.70(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	V4.70(ABML.1)C0	V3.00 06/14/2019

New Feature and Enhancements

New Feature and Enhancements	Cloud	Standalone
1. Support Networked AV mode.	-	V
2. Support IGMP snooping smart forward.	-	V
3. Support Network proxy for NCC connection.	V	V
4. Support Asymmetric flow control.	-	V
5. *Supports creating IP interfaces (can be used for Static Route, SNMP and syslog monitoring etc.)	V	-
6. *Support Static Route in Nebula.	V	-
7. *NCC live tool supports real time MAC table, ARP table and Routing table statistics.	V	-
8. *Supports blocking clients on NCC.	V	-
9. *Switch will keep its management interface IP when removed from Site.	V	-
10. *Switch name on NCC will be configured to its local host name.	V	-

New Feature and Enhancements	Cloud	Standalone
11. Supports "Account Security" option on WEB GUI to encrypt admin/user account password and options to display user/AAA/SNMP credentials in running-configuration.	-	V

Note: * Support on Nebula Cloud phase 11

Bug fix

Bug fix	Cloud	Standalone
1. [eITS#210201070] Inactive SFP port 23 will also shutdown SFP port 24 as well.	V	V
2. [eITS#210300008] If one policy rule contains too many classifier, Switch may hang when showing running-config via CLI.	-	V
3. [eITS#210100266] Switch can't block MAC address 5 minutes after setting MAC-filtering.	-	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.	-	V
2. ACL cannot support configuration of layer 4 socket port range when using IPv6.	-	V

Known Issue	Cloud	Standalone
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 cloud 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
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	4k	4K
2. Static MAC forwarding entry	-	256
3. MAC filtering entry	256	256

Limitation of Setting	Cloud	Standalone
4. Cluster member	-	24
5. IP routing domain	128	128
6. IGMP Filtering entry	256	256
7. IGMP MVR entry	256	256
8. VRRP entry	-	64
9. Protocol based VLAN entries per port	7	7
10. Port-security max address-limit number	32k	32k
11. DHCP Server	-	16
12. Syslog server entry	-	4
13. IP source guard entry	-	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
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
25. Remote port monitoring vlan	-	10
26. static ARP entry	-	256
27. Static route max entry	-	64
28. MAC-based VLAN	-	1024
29. Voice VLAN OUI entry	10	10
30. ZON neighbor per-port maximum clients	-	10
31. IPv6 source guard binding table	-	100
32. Queue	6	8

Change History

- 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