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Software Release Note
NebulaFlex Switch XMG2230 Series

Date: Nov. 3, 2026

Zyxel NebulaFlex Switch XMG2230 Series

V3.00(ACN_.0)C0 Release Note

Date: Nov 3, 2026

This document describes the features in the XMG2230 series for its 3.00(ACN_.0)C0 release.
XMG2230 series is a hybrid switch with NebulaFlex technology to support operation in either Standalone mode or Nebula cloud management mode.

Supported Platforms

Support Platform	FaOS Firmware version	Boot Version
Zyxel XMG2230-28HP	V3.00(ACNN.0)C0	V3.00 | 10/27/2026
Zyxel XMG2230-52HP	V3.00(ACNO.0)C0	V3.00 | 10/27/2026

New Feature and Enhancements

1. [Standalone, Nebula]Support stacking capability for network resiliency up to 4 units.
2. [Standalone, Nebula]Support 2 ports/4 ports stacking option.
3. [Nebula] Support DHCP Server
4. [Standalone]VLAN settings now support membership configuration by port.
5. [Standalone]Enhanced the VLAN Wizard.
6. [Standalone]Support Policy-Based Routing.
7. [Standalone]Certificate import now supports ECDSA.
8. [Standalone]Support STP BPDU forward mode when STP, BPDU Control, and L2 PT are globally disabled.
9. [Standalone]Added support for recognizing digitally signed firmware image formats in preparation for future signed firmware releases, while maintaining compatibility with current unsigned firmware.
10. [Standalone, Nebula]The system logs successful and failed authentication attempts for 802.1X, MAC authentication, and cloud authentication.

11. [Standalone]The accounting shared secret is now assigned to Privilege Level 14, and its visibility can be controlled by the administrator.
12. [Standalone]Support VLAN isolation in stacking mode.
13. [Standalone]Support automatic CA certificate updates for cloud connectivity.
14. [Standalone, Nebula]MAC authentication supports the following RADIUS attributes: State, Calling-Station-ID, Message-Authenticator, NAS-Port, Framed-MTU, and NAS-Port-Type.
15. [Standalone, Nebula]Improved ping response latency.
16. [Standalone, Nebula]Enhanced SNMP processing to reduce high CPU usage during GetBulk operations.
17. [Nebula]Support VLAN ingress checking.
18. [Nebula]Support SNMPv3.
19. [Standalone]Only users with Privilege Level 14 can access the Cloud QR Code page.
20. [Standalone]The routing table can now be sorted by IP address.
21. [Standalone]After a forced password change, the page automatically redirects to the login page.
22. [Standalone]Removed the Wizard button from the dashboard.
23. [Nebula]Enhanced device performance to improve PoE status retrieval, including in stacking mode.
24. [Standalone, Nebula]Enhanced SFP detection to support the smart fan design.
25. [Standalone]Removed the OAM page and merged the required functions into ZULD.
26. [Standalone, Nebula]Reduced stacking takeover time by optimizing VLAN trunk processing
27. [Standalone, Nebula]Enhanced queue protection mechanism and MAC address roaming handling to prevent high CPU utilization and system hang during burst Layer 2 roaming events.

Bug fix

	Bug fix	Nebula	Standalone
1.	[CVE-2026-76955]Fixed a pre-authentication buffer overflow vulnerability in ZON.	V	V
2.	[ITS#260100478]Fixed IGMP snooping querier takeover time was incorrectly when change querier interval.	V	V
3.	[ITS#260300559]Fixed a MAC learning issue caused by the use of the "suspend flag" in MAC discard.	V	V
4.	[ITS#260401209]Fixed a timeout issue when enabling or disabling switch ports via NCC while using SFP+ port.	V	
5.	Fixed an issue where abnormal information appeared in the device's Tech Support error logs.	V	V
6.	Special characters in the port name cause the port information to appear blank on the Dashboard.		V
7.	The switch has drop the EAPoL unicast packet.	V	V
8.	Fixed an issue where multicast streams could fail to be forwarded to IGMP snooping group member ports.	V	V
9.	Restoring or reloading the configuration results in an error if the time range profile name contains spaces.		V
10.	Fixed a display issue when saving the configuration with Daylight Saving Time enabled.	V	V
11.	Fixed an issue where the switch would hang when performing an SNMP walk on OID 1.3.6.1.2.1.4.35.	V	V
12.	Fixed an 802.1X authentication issue on	V	V

	Bug fix	Nebula	Standalone
	wired networks.		
13.	Fixed an issue where Outgoing PPPoE IA packets failed to retain outer VLAN tags applied via QinQ VLAN.	V	V
14.	Fixed non-querier send GSQ after receiving IGMP leave	V	V
15.	Fixed an issue where some settings were lost after a reboot when the Remote Management end address was set to 0.0.0.0		V
16.	Fixed an issue where the backup card failed to take control of the stack during takeover.	V	V
17.	Fixed an issue where a temporary physical loop may occur when stacking slots are attached.	V	V
18.	Fixed VLAN configuration errors when managing cloud stacking with more than 500 VLANs.	V	
19.	Fixed an issue where ARP Inspection incorrectly identified authorized devices as unauthorized hosts, causing excessive syslog warnings when MAC address limits were enabled.	V	V
20.	Fixed an issue on cloud-managed models where attempting to re-create an existing Out-of-Band (OOB) IP domain configuration could result in configuration loss or unexpected settings errors.	V	V
21.	Fixed an issue where VLAN Mapping changes required a reboot to take effect.		V
22.	Fixed an issue where combining stacking with link aggregation could	V	

	Bug fix	Nebula	Standalone
	cause trunk port link establishment to fail, leading to high CPU utilization and packet loss.		
23.	Fixed an issue where an IP port move event could trigger CPU MAC address table instability, preventing normal switch CPU traffic processing.	V	V
24.	Fixed device crash during SSH login	V	V
25.	Fixed an issue where an incorrect next-hop MAC address in the routing table caused client connectivity failures.		V
26.	Fixed an issue where LACP table re-writing via Nebula caused significant packet loss and network blockage, lasting approximately 30-40 seconds.	V	
27.	Intermittent Web GUI (HTTP/HTTPS) inaccessibility on switch.	V	V
28.	Fixed an issue where the device crashed when scanned by Advanced IP Scanner.	V	V
29.	Resolved an issue where Static MAC Address Forwarding did not function correctly.	V	V
30.	Lose default gateway IP configuration when using the Zyxel ONE Network (ZON) utility to change the IP address but default gateway not changed.	V	V
31.	Fixed SNMP community can configure empty string.	V	V
32.	An interaction where IP Source Guard (IPSG) inadvertently dropped valid DHCP packets due to conflicts with ingress filtering on VLAN trunking ports.	V	V

Known Issue

	Known Issue	Nebula	Standalone
1.	[Diagnostic] The results from the cable diagnostics might not be consistently accurate.	V	V
2.	[Diagnostic]Does not support to diagnose 10M, "unknown" message will appear.	V	V
3.	The switch cannot access cluster member when cluster member's password been encrypted.	-	V
4.	The ZON discovery didn't flood to other ports	-	V
5.	When a password contains special characters, the system fails to recognize these characters and any subsequent characters.	V	V
6.	In iPerf tests between a 10G client and a 2.5G server, the received throughput may vary by more than 10% under different latency settings.	V	V

Limitation of Settings:

	Limitation of Setting	Nebula	Standalone
1.	802.1Q Static VLANs	1K	4K
2.	802.1Q dynamic VLANs	4K	4K
3.	Static MAC forwarding entry	-	256
4.	MAC filtering entry	256	256
5.	Cluster member	-	24
6.	IP routing domain	32	32
7.	IGMP Filtering entry	256	256

	Limitation of Setting	Nebula	Standalone
8.	IGMP MVR entry	-	256
9.	Protocol based VLAN entries per port	7	7
10.	Port-security max address-limit number	32K	32K
11.	Syslog server entry	-	4
12.	IP source guard entry	128	512
13.	IP subnet based VLAN entry	-	16
14.	MVR VLAN entry	-	5
15.	VLAN-stacking Selective QinQ entry	-	128
16.	VLAN-mapping entry	-	128
17.	MAC table	32K	32K
18.	Routing table	-	64
19.	DHCP snooping binding table	-	16K
20.	Multicast group	4K	4K
21.	IPv4 ACL	256	256
22.	IPv6 ACL	128	128
23.	DHCP option 82 profile	16	66
24.	static ARP entry	-	256
25.	IPv4 static route	64	64
26.	IPv6 static route	-	64
27.	Trunk groups	28HP:12 52HP:24	28HP:12 52HP:24
28.	MAC-based VLAN	-	512
29.	Voice VLAN OUI entry	10	10
30.	ZON neighbor per-port maximum clients	-	10
31.	IPv6 source guard binding table	-	50
32.	Priority Queue	6	8
33.	DHCP relay by VLAN IPv4	32	32
34.	DHCP relay by VLAN IPv6	-	32
35.	DHCP server by IPv4	16	16
36.	DHCP server by IPv6	-	32

Change History

- V3.00(ACN_.0) | 11/03/2026
- V2.00(ACN_.1) | 03/03/2026
- V2.00(ACN_.0) | 07/23/2025