

# Release Note

## Version Info:

**1. Firmware Version:** 1.20.11 Build 20260628 Rel.10883

## 2. Applied Model:

a) SG6428XHP(UN) v1.0

b) SG6428XHP(UN) v1.20

c) SG6428XHP(UN) v1.26

d) SG6428XHP(IN) v1.28

e) SG6428XHP(UN) v1.6

## 3. Minimum FW Version for Update:

a) UN v1.0: 1.0.0 Build 20231105 Rel. 68404

b) UN v1.20: 1.0.0 Build 20231105 Rel. 68404

c) UN v1.26: 1.0.0 Build 20231105 Rel. 68404

d) IN v1.28: 1.0.0 Build 20231105 Rel. 68404

e) UN v1.6: 1.0.0 Build 20231105 Rel. 68404

**4. Recommended Omada Controller version:** Omada Controller V6.1

**5. Recommended Omada App version:** N/A

6. For downloading any firmware version, please refer to [Omada Download Center](#).

## New Features:

1. Added support for PTP and IEEE 802.1AS.

2. Added support for DHCPv6 Server and enhanced DHCP Server functionality, including DHCPv6 Server, RA Server, and DHCPv6 PD Server, to facilitate migration from IPv4 to IPv6.

3. Added support for COPP to enhance CPU and control plane protection, improving network robustness.

4. Added support for Dying Gasp to meet O&M requirements.

5. Added support for route summarization of redistributed routes in OSPF.
6. Added support for Virtual MAC and MAD.
7. Added support for policy-based routing (PBR) to match multicast traffic.
8. Added support for VRF, including VRF-based ACL groups and VRF Lite.

**Enhancements:**

1. Improved ACL capacity and configuration flexibility.
2. Increased client capacity to 32,768.
3. Expanded ERPS Ring ID range to 255.
4. Enhanced VLAN name to support additional special characters.

**Bug Fixed:**

1. Fixed an issue where the implementation of BRIDGE-MIB and Q-BRIDGE-MIB in SNMP did not comply with RFC standards.
2. Fixed a memory leak issue triggered during SNMP operations.
3. Fixed an issue where the "Length" field displayed incorrectly in the show cable-diagnostics interface command.

**Additional Information:**

1. SHA-256 Value:

44b9c9559c0fdde0210bad4f94a8240c45b79e6ee06c41ec426f8192b45f9bd1

2. SHA-512 Value:

8819f38c4c66b345fa2e842e2368d6917f9c5221b5f50c9fcf0cbc9cf7d76c7bec263054e3  
0139dda304578df5ef692ceb1190f2edcb7d7f8e8a64163266f792