Release Note

Version Info:

1. **Firmware Version:** 1.20.11 Build 20261122 Rel.1346
2. **Applied Model:**

   a) SX6632YF(UN) v1.0

   b) SX6632YF(UN) v1.6

   c) SX6632YF(UN) v1.20

   d) SX6632YF(UN) v1.26
3. **Fully Adapted Omada Controller version:** 6.1.0.
4. **Fully Adapted Omada App version:** N/A.
5. For downloading any firmware version, please refer to Omada Download Center .

New Features

1. Upgraded the underlying software platform to FEP 2.0, enhancing system stability and enabling future feature expansion.
2. Added support for PTP and IEEE 802.1AS.
3. Added support for DHCPv6 Server, including RA Server and DHCPv6 PD Server, to address IPv6 deployment requirements and improve DHCP service capabilities.
4. Added support for CoPP (Control Plane Policing) to strengthen CPU and control plane protection and improve network resilience.
5. Added support for Dying Gasp to meet operational maintenance requirements.
6. Added support for OSPF route aggregation on AS External imported routes.
7. Added support for Virtual MAC and MAD (Multi-Active Detection).
8. Added support for multicast packet matching in Policy-Based Routing (PBR).
9. Added support for VRF, including VRF-based ACL Groups and VRF Lite.
10. Added support for stronger password hashing algorithms to enhance credential security. (Requires Omada Controller V6.2.14 or above.)

Enhancements

1. Enhanced ACL capacity and configuration flexibility.
2. Increased the client capacity to 32,768.
3. Optimized the authentication and configuration delivery mechanism between devices and Cloud-Based/Local Controllers. (Requires Omada Controller V6.2.14 or above.)
4. Optimized the authentication mechanism for devices during initial onboarding to the cloud management platform. (Requires Omada Controller V6.2.14 or above.)
5. Improved ERPS convergence performance.
6. Improved ARP processing performance.
7. Improved DHCP Server and DHCP Relay processing performance.
8. Improved multicast processing performance.
9. Improved routing protocol processing performance.
10. Improved MSTP processing performance.

Bug Fixed

1. Fixed device identification issues reported by customers.
2. Fixed an issue where ECMP default routes could cause adoption failures.
3. Fixed an issue in complex ERPS scenarios where topology convergence became abnormal after an ERPS sub-ring owner node rebooted.
4. Fixed an issue where LLDP-MED configuration became abnormal after Controller upgrades.
5. Fixed an issue where DNS configuration could lead to adoption failures in specific topologies.
6. Fixed an issue that caused repeated device adoption after successful onboarding.
7. Fixed an issue where CPU utilization remained abnormally high in certain scenarios.
8. Fixed an issue where the number of available mirroring ports was limited in switch stacking deployments.
9. Fixed an issue where 802.1X authentication could fail in certain scenarios.
10. Fixed an issue where FEC configurations were lost after firmware upgrades.

Additional Information

1. SHA-256 Value:
   5d17995947cff840631b8334a81db069609ab21b5c987f48881ee12efd7f66c9

1. SHA-512 Value:
   92dbde6a6d42f4cdddbdd9e8e22c381fe596d7a7246d644724bf85781620fdcc72bfb316097ae588c800c681ce8ec7c4c91fac5e208b52e77955a89594a942d4