



>> | ALEOS 4.4.8 Release Notes

ALEOS 4.4.8 is for AirLink GX440/400, ES440, and LS300 gateways.

Note: Please note that this release addresses the GPS 2019 Rollover event. Sierra Wireless recommends that you upgrade your gateways to version 4.4.8 before April 2019.

New Features

WAN/Cellular

Added an option in ACEmanager to support MSS (Maximum TCP segment size) clamping TCP connections inbound/outbound from/to the Cellular WAN interface. The setting is located under WAN/Cellular > WAN/Cellular > Advanced. Default is "Enable".

LAN

Added an option in ACEmanager to enable or disable Reset Host Interface. The setting is located under LAN > DHCP/Addressing > General. Default is "Enable".

Security Enhancements

Security and CVE Vulnerabilities

Addressed potential vulnerabilities related to CVE-2017-11176 (see <https://nvd.nist.gov/vuln/detail/CVE-2017-11176>)

Addressed potential vulnerabilities related to CVE-2016-7117 (see <https://nvd.nist.gov/vuln/detail/CVE-2016-7117>)

Addressed potential vulnerabilities related to CVE-2016-1583 (see <https://nvd.nist.gov/vuln/detail/CVE-2016-1583>)

Addressed potential vulnerabilities related to CVE-2017-13077, CVE-2017-13078, CVE-2017-13079, CVE-2017-13080, CVE-2017-13081, CVE-2017-13082, CVE-2017-13086, CVE-2017-13087, CVE-2017-13088 (WPA handshake traffic) (see <https://www.kb.cert.org/vuls/id/228519>)

Addressed potential vulnerabilities related to CVE-2017-8816 (see <https://nvd.nist.gov/vuln/detail/CVE-2017-8816>), CVE-2017-8817 (see <https://nvd.nist.gov/vuln/detail/CVE-2017-8817>), CVE-2018-1000007 (see <https://nvd.nist.gov/vuln/detail/CVE-2018-1000007>)

Bug Fixes

GPS

Addressed the GPS 2019 Rollover issue by ensuring that GPS time used for NMEA and system time remains accurate after a GPS system offset reset occurs

WAN/Cellular

The configured WAN Keep Alive period is now preserved after the initial 1 hour back-off period when recovering from a WAN Keep Alive-initiated reboot.

Wi-Fi

GX440/400: Resolved an issue where the Marvel Micro AP SSID is momentarily broadcast when the Wi-Fi mode is set to disabled

VPN

Resolved an issue where user-uploaded SSL VPN certificates and key files were not preserved across reboots

Security

GX440: Resolved an issue where port forwarding was impaired when the gateway had a dual-Ethernet X-Card installed

Services

Setting "Remote Login Server Telnet/SSH Port" to 0 now functions as specified in the user guide.

Resolved an issue that was preventing system uptime from being reported in SNMP trap messages

Serial

Resolved an issue where LAN-connected devices were unable to reach the WAN when USB Serial was configured

ALEOS AT Commands

The AT+COPS command is now allowed a longer period of time to complete successfully, so that Carrier Operator Selection would work correctly under all circumstances

Error Handling

Resolved an issue where excessive timeout error messages when communicating with the radio prevented gateways from rebooting and reconnecting

Applications

Resolved an issue where the M3DA server hostname was badly provisioned when the MSCI URL contained a port definition

Account

Resolved an issue where an account reactivation command was not being sent because the command contained restricted characters

LS300: Resolved an issue where sconsole and uasuser accounts were not disabled after resetting the gateway to factory defaults