



## >> ALEOS 4.4.8 Release Notes

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

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*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.*

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### 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 MSC 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