



AscenLink LinkOS V7.1 B5599
Release Notes



AscenLink LinkOS V7.1 B5599 Release Notes

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Reversion 1

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Introduction

Summary

This LinkOS firmware V7.1 B5599 is the latest build for Fortinet AscenLink V7.1. Fortinet AscenLink new models AL-700, AL-5000 and AL-6000 are released (*reference to AscenLink New Models Release Note for details*). Model upgrade for previous models and the changes to license and serial number schemes are introduced in this release.

This document provides a list of new and updated features, resolved issues, upgrade procedures and support information of AscenLink LinkOS V7.1 B5599. Please review all sections of this document prior to upgrading your device.

Supported Models

LinkOS **V7.1 B5599** is the latest AscenLink firmware version released for AscenLink-700, AscenLink-5000 and AscenLink-6000.

Compatibility

LinkOS **V7.1 B5599** provides basic support and is compatible with all versions of LinkReport. AscenLink-6000 requires LinkOS V6.1, or higher.

New Features in V7.1 B5599

Feature 1:

For upgrading system from previous version, an automatic procedure is provided to transfer AscenLink from previous models to correspondent new models and bandwidth capability. The model transition is supported as follows:

Previous Product Model	Transferred Product Model / Bandwidth Capability
AL-702 / AL-703 / AL-706	AscenLink 700 / 60 Mbps
AL-710	AscenLink 700 / 100 Mbps
AL-720	AscenLink 700 / 200 Mbps
AL-5010 / AL-5020 / AL-5030 / AL-5050	AscenLink 5000 / 0.5 Gbps
AL-5100	AscenLink 5000 / 1 Gbps
AL-5150	AscenLink 5000 / 1.5 Gbps**
AL-6100	AscenLink 6000 / 1 Gbps
AL-6200	AscenLink 6000 / 2 Gbps
AL-6300	AscenLink 6000 / 3 Gbps
AL-6400	AscenLink 6000 / 4 Gbps**

****NOTE: Upgrade only. AL-5150 and AL-6400 will no longer be offered as new sale bandwidth options.**

Feature 2:

Tunnel Routing is now included in all systems at no additional cost from this version forward and for any upgrades from V6.5 or V7.0.

Feature 3:

A new serial numbering scheme is employed in this release. For upgrading systems from previous versions, the old serial numbers will be retained and the new serial number scheme given as Fortinet Reference Number which is required for all interactions with Fortinet Support and FortiCare after March 2014.

Feature 4:

Demonstration and Tunnel Routing license schemes are no longer available. A changed bandwidth upgrade license scheme is added from this version. The bandwidth capabilities now supported by AscenLink are as follows:

Product Model	Bandwidth Capability
AscenLink 700	60 Mbps / 100 Mbps / 200 Mbps
AscenLink 5000	500 Mbps / 1 Gbps
AscenLink 6000	1 Gbps / 2 Gbps / 3 Gbps

Feature 5:

A CLI command [reactive] is added to uninstall the licenses and reset configurations on AscenLink system to factory default. Note: to be used only at the direction of Fortinet Technical Support.

Feature 6:

A threshold function is supported in Multi-Homing. Administrators can configure the downstream and upstream threshold of each WAN link. WAN links with traffic that exceeds the threshold values will be considered as failed to Multi-Homing, and the other WAN links will be replied according to the configured A / AAAA Record Policy.

Feature 7:

A new page [FQDN] is added in Statistics. The IPv4 and IPv6 addresses of the FQDNs that connected via AscenLink are shown in this page.

Feature 8:

Syslog protocol is employed in AscenLink to generate system log messages and direct them to remote syslog servers. Note that log messages for LinkReport do not support syslog protocol.

Feature 9:

A CLI command [sysctl] is added to manually configure and list timeout of system contracks. Note: to be used only at the direction of Fortinet Technical Support.

Feature 10:

Date and time from the AscenLink's local clock are shown on the header bar of WebUI. This will aid users when they are working on AscenLinks in different time zones.

Feature 11:

Verification that system firmware meets the hardware platform (i686 and x86-64) is executed during the firmware upgrade procedural.

Feature 12:

New product logos and Fortinet branding are employed in AscenLink Web UI.

Updated Features in V7.1 B5599

Feature 1:

The system license file scheme employed in LinkOS V7.0 is reverted to the original license key scheme used since Release 6.0. LinkOS V7.0 was not shipped outside of Taiwan.

Resolved Issues in V7.1 B5599

Ticket 2669:

IPv6 prefixes longer than /64 were not accepted in AscenLink.

Ticket 2768:

Changing time zone in [System / Date/Time] did not become effective to log function until AscenLink reboot.

Ticket 2784:

Static routing subnets deployed on an aggregated port failed.

Firmware Upgrade Procedures

Upgrading Information

- Note that only versions V7.0 B5526, V6.5 B3856, V6.5 B4038, V6.5 B4081 and V6.5 B4175 are supported for upgrade to V7.1 B5598. For previous V7.0 (B5338 and B5246), please update to V7.0 B5526 first before updating to V7.1 B5598.
- System with demonstration licenses cannot be upgraded to R7.1. Please contact Fortinet at ascenlink@fortinet.com for information on updating these systems to NFR units.
- Because of US Government export restrictions on Tunnel Routing technology, all upgrades to R7.1 **MUST** be "ordered" via your distributor and Fortinet Order Management. Upgrades for in-warranty systems will be at no charge, as usual, but Fortinet must have end-user visibility and update its databases in order to support AscenLink. The SKU for ordering a Release 7.1 upgrade is **AL-UPGD-R71**. This is a one-time requirement. Future upgrades will be automatically available to in-warranty customers via the FortiCare website, without the need for additional ordering.

Upgrade procedure

After ordering the Upgrade License SKU, Fortinet will supply the License Key via email. Start the upgrade procedure as follow:

- Always back up your system configurations before upgrading.
- Log on to AscenLink as Administrator and go to [System > Administrator] page.
- Click Update to start the upgrade procedure
 - Click Browse to select the path where the new firmware image is saved
 - Enter the Update Key you received from Fortinet
 - Select Upload.
- Be patient while firmware is being upgraded. During the upgrade, do not turn off the system, unplug the power or repeatedly click the Submit button.
- The message "Update succeeded" will appear after the upgrade is completed. Please reboot the system afterwards for the firmware to take effect.

Getting Help

For customer support of Fortinet's AscenLink products shipped **before** January 20, please contact your local Fortinet AscenLink channel partner or http://www.fortinet.com/support/contact_support.html.

For customer support of Fortinet's AscenLink products shipped **after** January 20, 2014, please contact your local Fortinet AscenLink channel partner or http://www.fortinet.com/support/contact_support.html.

Patches and updates are regularly released for Fortinet's AscenLink products. For access, please register at <https://support.fortinet.com/> or contact ascenlink@fortinet.com.