

Adtran

SDG PlumeOS

3.0.0.1 Release Notes

Release Notes

6PLOS RN3001-40A

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To the Holder of this Document

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1. Introduction

The PlumeOS 3.0.0.1 firmware release for Adtran's Service Delivery Gateway (SDG) products is a major system release that introduces new features and addresses customer issues uncovered in previous code releases.

The release is generally available code. Results obtained during internal testing have been evaluated and the code has been determined to be ready for general availability. Caveats discovered during testing but not addressed in this build are listed in [Errata on page 6](#).

Configuration guides, white papers, data sheets, and other documentation can be found on Adtran's Support Community, <https://supportcommunity.adtran.com>. The contents of these release notes will focus on the platforms listed in [Supported Platforms on page 4](#).

2. Supported Platforms

[Table 1](#) lists the platforms that are supported in Adtran's SDG 3.0.0.1 PlumeOS release.

Table 1. Supported Platforms

Platform
841-t6
834-5
834-v6
854-6
854-v6



NOTE

Mosaic Device Manager (MDM) customers must ensure that ACS instances are updated with the latest drivers.

3. System Notes

The following are important notes about the PlumeOS 3.0.0.1 release:

- PlumeOS PPPoE will not work without an ACS to push down the credentials.
- All PlumeOS devices running DHCP code are supported on the PlumeOS Auto Update server.
- For any devices being managed on the PlumeOS Auto Update Server, they will be updated to PlumeOS 3.0.0.1 in the upcoming weeks (refer to the [PlumeOS Auto Update Feature for 841-t6](#) article for more information). For upgrade notifications, subscribe to the [PlumeOS 841-t6 Auto-Update Software Notifications](#) board in the [Adtran Support Community](#).
- The 841-t6 does not support SSH connections unless it is currently connected to the Plume Cloud.
- If a device running PlumeOS is unable to connect to the cloud for more than 10 consecutive minutes, it will reboot due to an OpenSync Health Check (as do other OpenSync devices).

SFP Support in PlumeOS 3.0.0.1

The following SFPs are supported in the PlumeOS 3.0.0.1 release:

- 1G Eth SFP = SFP1G-LX-31



NOTE

The SDX 630 SFP is NOT supported on this platform. Any SFP modules not expressly stated as supported will require some sort of interoperability to function with SDG devices using PlumeOS 3.0.0.1, and their operation cannot be guaranteed.

The following errata are associated with SFP support in the PlumeOS 3.0.0.1 release:

- In some cases, when using SDX 610s GPON SFU ONT (P/N 1442535F3) in an SDG 854-(v)6 device, upstream throughput may be limited to less than expected rate. If the GPON upstream shaper is set between **300 - 1000Mbps**, upstream throughput may be limited to **200 - 300Mbps** in worst case scenarios. This condition can be avoided by setting the GPON upstream shaper to **>=1000Mbps**.
- The SDG 854-(v)6 must be power cycled when the SDX 610 module is rebooted from the OLT side. The most common scenario for this is when performing an ONT module software upgrade.
- The SDG 854-(v)6 SFP interface is not hot-swappable. The unit must be powered off prior to installing an SFP module.

4. Features and Enhancements

Features and Enhancements in 3.0.0.1

This section highlights features and enhancements included in the PlumeOS 3.0.0.1 release.

- Integrated PlumeOS 3.0.0.1 with OpenSync version 4.4.
- Added support for Plume WorkPass.
- Added support for Guard 2.1.
- Upgraded the system kernel to version 5.15.

5. Fixes

General Bug Fixes in 3.0.0.1

This section highlights major bug fixes in the PlumeOS 3.0.0.1 release.

- PLOS-1876 Fixed an issue in which, in some cases, two BOOTSTRAP messages could be sent when SDG devices synced with the ACS for the first time.
- PLOS-1867 Fixed an issue in which several TCP ports were accessible via the LAN interface, even though they were not needed.
- PLOS-1715 Fixed an issue in which 841-t6 devices in extender mode would intermittently report 0.0.0.0 as their WAN IP address via TR-069.
- PLOS-1692 Fixed an issue in which SLAAC IPV6 addressing was not functioning properly.

- PLOS-1691 Fixed an issue in which, if DHCPv6 was unresponsive for more than 10 minutes, it could not be re-enabled until the device was rebooted.
- PLOS-1654 Fixed an issue in which, in some cases, if a device was upgrading from a release to the same release, it would enact a factory default.
- PLOS-1580 Fixed an issue in which, in some cases, DNS Proxy would not function on a PLOS device being turned up for the first time.
- PLOS-1446 Fixed an issue in which some SDG devices would not always send a Diagnostic Complete message after an NPT test.
- PLOS-1303 Fixed an issue in which, in some cases, the displayed boot time would be longer than the actual time since the unit booted.
- PLOS-1181 Fixed an issue in which some Blink Sync Modules could not connect to PlumeOS properly via wireless connections.
- PLOS-1180 Fixed an issue in which Sleep Number Beds could not connect to PlumeOS properly via wireless connections.

6. Errata

There are no errata associated with the PlumeOS 3.0.0.1 release.

7. Upgrade Instructions

Upgrading Adtran's SDG products to the latest version of software is outlined in the following sections.

Step 1: Upgrading Firmware

PlumeOS software for the 834-5, 834-v6, and 854-(v)6 must be managed via TR-69 upgrades. For information on performing the upgrade via Mosaic Device Manager (MDM), refer to the [Updating Firmware](#) article included in the MDM online help for specific instructions.

The 841-t6 running PlumeOS can be upgraded via ACS, but is also included by default in the PlumeOS Auto Update Service and will be periodically updated. Refer to the [PlumeOS Auto Update Feature for 841-t6](#) article in the [Adtran Support Community](#) for more information. To receive upgrade notifications, subscribe to the [PlumeOS 841-t6 Auto-Update Software Notifications](#) board, also in the [Adtran Support Community](#).

Step 2: Verifying the Version

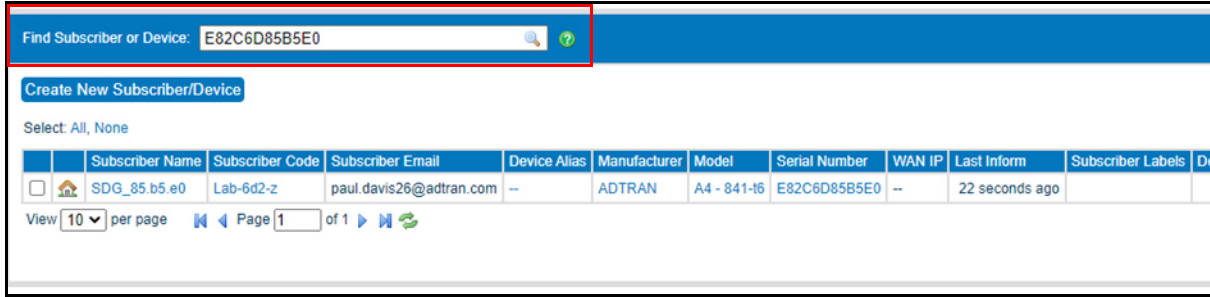
SDG software versions can be verified either via the ACS or by using the Plume Frontline tool. Instructions for both methods are provided in this section.

Verifying Software Version Using the ACS

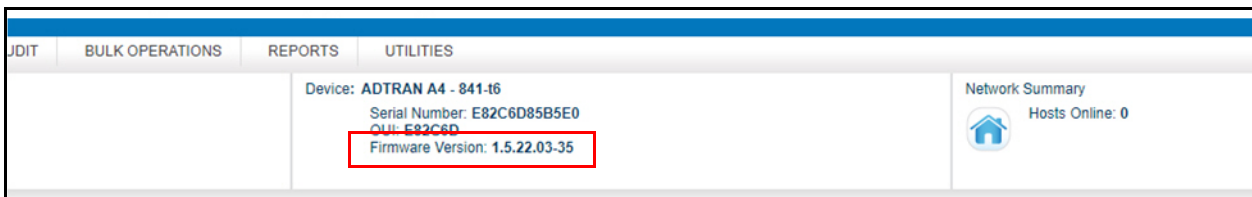
To verify the SDG software version using the ACS, follow these steps:

1. Log into the ACS URL (<https://<customer instance name>.smartrg.com>), using your specific customer instance name and your login credentials.

2. Enter the device serial number (or subscriber associated with the device) into the **Find Subscriber or Device** search bar and select the magnifying glass to execute the search.



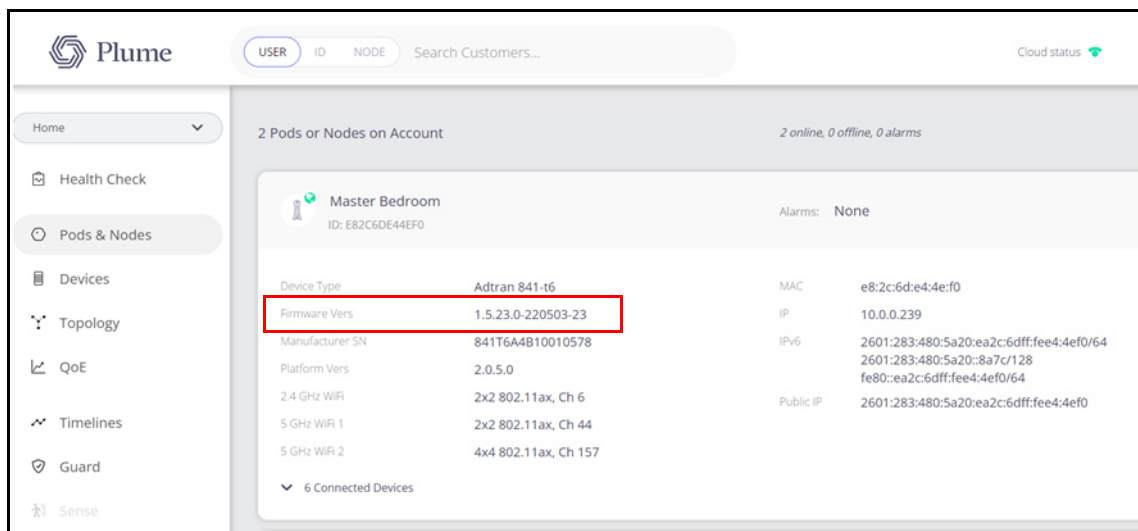
3. Once the device is located, select the device link to open the **Device** page. The **Firmware Version** is displayed in the middle of the menu.



Verifying Software Version Using Plume Frontline

To verify the SDG software version using Plume Frontline, follow these steps:

1. Access the Frontline tool by entering the following address in your browser <https://portal.plume.com/home>, and then log in using your login credentials.
2. Navigate to the **Applications** menu, and select **Frontline Tier 1**. In the resulting search bar, enter your Plume account or node ID (for example, **device@customer.com**).
3. Once the account page is displayed, select **Pods and Nodes** from the menu on the left.
4. In the **Pods and Nodes** menu, locate your specific pod and you can view your **Firmware Vers** directly under the **Device Type** (as shown in the image below).



8. Restoring the Factory Defaults

To restore the factory default settings to your device, press and hold the **Reset** button on the device for **30 seconds**. Do not hold the button for longer than **55 seconds**, as that will cause the device to roll back to the last bootable firmware version.

A factory reset can also be performed from the Admin CLI with the command **factory-reset**, or it can be sent from the ACS via TR-069.

9. Warranty and Contact Information

Warranty information can be found online by visiting www.adtran.com/en/about-us/legal.

To contact Adtran, choose one of the following methods:

Department	Contact Information
Customer Care	From within the U.S.: (888) 4ADTRAN ((888)-423-8726)
	From outside the U.S.: +1 (256) 963-8716
Technical Support	Support Community: www.supportcommunity.adtran.com
	Product Support: www.adtran.com/en/about-us/support
Training	Email: training@adtran.com
	Adtran University: www.adtran.com/en/products-and-services/services/training
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