

Adtran

SDG PlumeOS

3.2.0.1 Release Notes

Release Notes

6PLOS RN3201-40A

October 2024



To the Holder of this Document

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1. Introduction

The PlumeOS 3.2.0.1 firmware release for Adtran's Service Delivery Gateway (SDG) products is a minor hotfix release that 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 3.2.0.1 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 3.2.0.1 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 3.2.0.1 in the upcoming weeks (refer to the [PlumeOS Auto Update Feature](#) article for more information). For upgrade notifications, subscribe to the [PlumeOS 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 3.2.0.1

The following Adtran sourced SFPs are supported on the 854-6 and 854-V6 platforms:

- SDX610 GPON ONT (P/N 1442535F3)
- SDX630 XGS PON (P/N 1287940F1)
- 1G BiDi transceiver, 1310/1490nm, 10km (P/N 1442110G1 & 1442110G2)

The following limitations apply:

- In some cases, when using GPON SFU ONT (P/N 1442535F3), upstream throughput may be limited to a less than expected rate. If the GPON upstream shaper is set between 300 to 1000 Mbps, upstream throughput may be limited to 200 to 300 Mbps in worst case scenarios. This condition can be avoided by setting the GPON upstream shaper to at least 1000 Mbps.
- The SFP interface is not hot-swappable while the device is on. The unit must be powered off prior to installing an SFP module.
- The SDX 630 XGSPON ONU SFP requires a newer version of the SDG 854-(v)6 device to accommodate the larger size SFP. Contact your Adtran sales representative for more details.

4. Features and Enhancements

Features and Enhancements in 3.2.0.1

- None

Previous Feature and Enhancements

Feature and Enhancements in 3.2.0.0

This section highlights features and enhancements included in the PlumeOS 3.2.0.0 release.

- Added support to meet the PSTI (Product Security & Telecommunications Infrastructure) Requirements for the UK
- Added support for /32 Subnet Mask
- Added CLI Support to view the last known reboot cause

5. Fixes

Fixes in 3.2.0.1

- ISSUE-7446 Address issue with IPv6 not working with SLAAC or static DHCP reservation
- ISSUE-8196 Address issue with transition from PlumeOS to newer versions of SmartOS (12.3 and above) were failing
- ISSUE-9334 Address issue where reduced upload throughput was seen in speed tests
- ISSUE-9714 Address issue with reduced throughput performance via 841-t6 extender connected with a wired connection to the controller.
- ISSUE-7448, ISSUE-9431 Address issue, which in some cases large downloads fail when using the 841-t6 2.5G WAN port as a LAN interface
- SDG-2477 Address issue where the WM process can crash

Previous Build Fixes

Fixes in 3.2.0.0

This section highlights major bug fixes in the PlumeOS 3.2.0.0 release.

- ISSUE-7444 Fixed reduced IPv4 and IPv6 WAN to LAN throughput
- ISSUE-7447 Fixed the device resetting when an empty response is received during a firmware upgrade via TR-69
- ISSUE-7449 Fixed the device resetting due to running out of space in a temporary directory
- ISSUE-7445 Fixed the device resetting due to issue with the QM process
- ISSUE-7724 Fixed an issue with TR-69 where blank values for device identifiers were used while reporting they were unsigned Int
- ISSUE-7868 Fixed an issue which caused the 3.1.0.0 PPPoE build to lose its connection to the Plume cloud after two days

6. Errata

- Wired extenders may have reduced throughput. Wired devices connected to the same LAN port as a wired extender may have reduced throughput.

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](#).

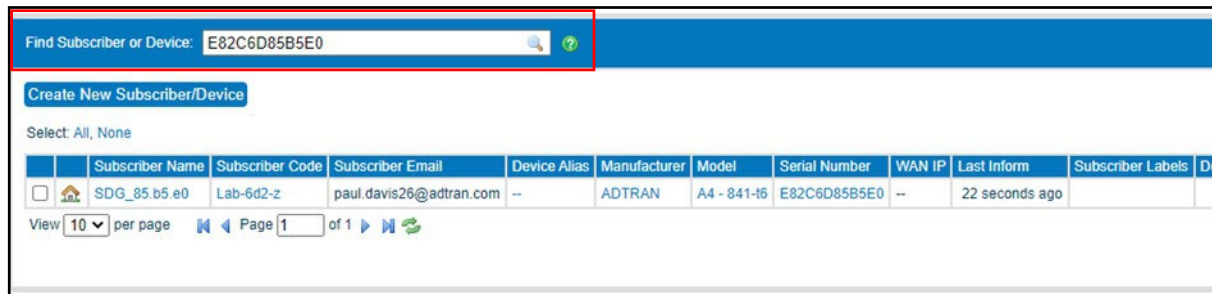
Step 2: Verifying the Version

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.



Find Subscriber or Device:

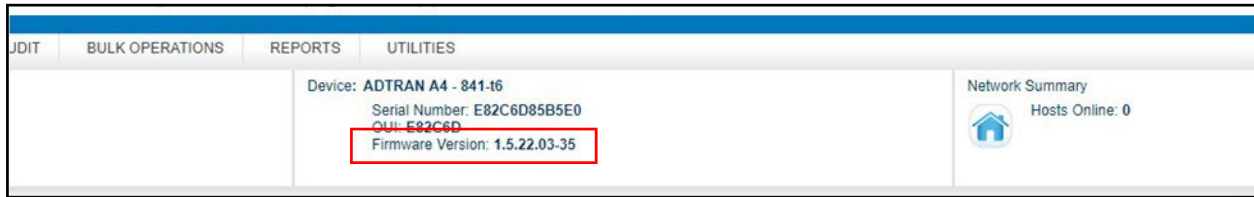
[Create New Subscriber/Device](#)

Select: All, None

	Subscriber Name	Subscriber Code	Subscriber Email	Device Alias	Manufacturer	Model	Serial Number	WAN IP	Last Inform	Subscriber Labels	De
<input type="checkbox"/>	SDG_85.b5.e0	Lab-6d2-z	paul.davis26@adtran.com	--	ADTRAN	A4 - 841-t6	E82C6D85B5E0	--	22 seconds ago		

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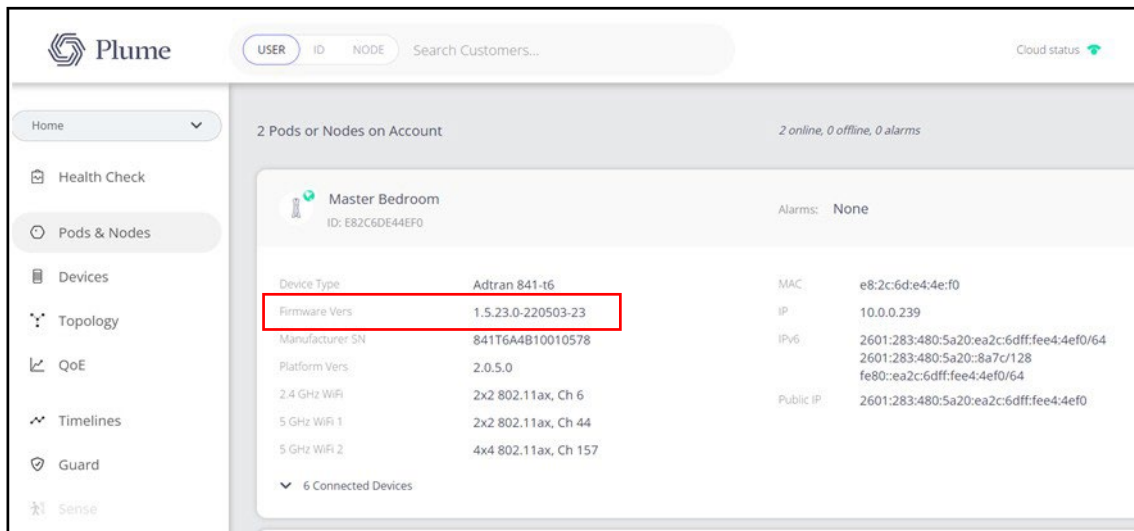
3. Once the device is located, select the device link to open the **Device** page. The **Firmware Version** is displayed in the middle of the menu.



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
Sales	For pricing and availability:	1 (800) 827-0807