

Adtran

SDG PlumeOS

1.0.21.12-01 Release Notes

Release Notes

6POSRN102112-40A

May 2022



To the Holder of this Document

The contents of this manual are current as of the date of publication. Adtran reserves the right to change the contents without prior notice.

Trademark Information

“Adtran” and the Adtran logo are registered trademarks of Adtran, Inc. Brand names and product names included in this document are trademarks, registered trademarks, or trade names of their respective holders.

Disclaimer of Liability

The information or statements given in this document concerning the suitability, capacity, or performance of the mentioned hardware or software products are given “as is”, and any liability arising in connection with such hardware or software products shall be governed by Adtran’s standard terms and conditions of sale unless otherwise set forth in a separately negotiated written agreement with Adtran that specifically applies to such hardware or software products.

To the fullest extent allowed by applicable law, in no event shall Adtran be liable for errors in this document for any damages, including but not limited to special, indirect, incidental or consequential, or any losses, such as but not limited to loss of profit, revenue, business interruption, business opportunity or data, that may arise from the use of this document or the information in it.

Be advised that certain security risks are inherent in the use of any telecommunications or networking equipment, including but not limited to, toll fraud, Denial of Service (DoS) attacks, loss or theft of data, and the unauthorized or illegal use of said equipment. ADTRAN OFFERS NO WARRANTIES, EITHER EXPRESSED OR IMPLIED, REGARDING THE PREVENTION, DETECTION, OR DETERRENCE OF TOLL FRAUD, NETWORKING ATTACKS, OR UNAUTHORIZED, ILLEGAL, OR IMPROPER USE OF ADTRAN EQUIPMENT OR SOFTWARE. THEREFORE, ADTRAN IS NOT LIABLE FOR ANY LOSSES OR DAMAGES RESULTING FROM SUCH FRAUD, ATTACK, OR IMPROPER USE, INCLUDING, BUT NOT LIMITED TO, HUMAN AND DATA PRIVACY, INTELLECTUAL PROPERTY, MATERIAL ASSETS, FINANCIAL RESOURCES, LABOR AND LEGAL COSTS. Ultimately, the responsibility for securing your telecommunication and networking equipment rests with you, and you are encouraged to review documentation regarding available security measures, their configuration and implementation, and to test such features as is necessary for your network.



901 Explorer Boulevard
P.O. Box 140000
Huntsville, AL 35814-4000
Phone: (256) 963-8000

Copyright © 2022 Adtran, Inc.
All Rights Reserved.

Table of Contents

- 1. Introduction 4**
- 2. Supported Platforms 4**
- 3. Features and Enhancements 4**
- 4. Fixes 4**
- 5. Errata. 5**
- 6. Upgrade Instructions. 6**
 - Step 1: Upgrading Firmware 6
 - Step 2: Verifying the Version 6
- 7. Restoring the Factory Defaults. 7**
- 8. Warranty and Contact Information. 7**

1. Introduction

The PlumeOS 1.0.21.12-01 firmware release for Adtran's Service Defined Gateway (SDG) products is a system release that adds 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 5](#).

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 1.0.21.12-01 PlumeOS release.

Table 1. Supported Platforms

Platform
834-5



NOTE

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

3. Features and Enhancements

This section highlights the major features, commands, and behavioral changes for all SDG products running PlumeOS 1.0.21.12-01.

- PLOS-159 Added support for a static password for administrative users.
- PLOS-165 Added support for the **show route** command to the administrative CLI.
- PLOS-169 Improved IPerf speed test results for Dynamic Host Control Protocol (DHCP) configurations.

4. Fixes

This section highlights major bug fixes in the PlumeOS 1.0.21.12-01 release.

- PLOS-96 Fixed an issue in which the Internet was not reachable after a system reboot or firmware upgrade.
- PLOS-100 Fixed an issue in which kernel crashes were not recorded.
- PLOS-139 Fixed an issue in which the default ACS URL was changed after performing a factory reset.
- PLOS-160 Fixed an issue in which the default web page displayed file system links instead of the expected links.
- PLOS-174 Fixed an issue in which the **Clean up stale hostapd/wap_supplicant** socket was not functioning correctly.

- PLOS-175 Fixed an issue in which **Radar Detect** was not functioning properly.
- PLOS-176 Fixed an issue in which **Port Forwarding** did not function correctly.
- PLOS-177 Fixed an issue in which the WAN IP address was not reported correctly to the ACS.
- PLOS-179 Fixed an issue in which there was no differentiation between PPPoE and DHCP in the **Software Version** field of the management API.

5. Errata

The following is a list of errata that still exist in the PlumeOS 1.0.21.12-01 firmware release.

- SDGP-15 The WPS button on the device is non-functional. WPS is not supported in this release.
- SDGP-14 The Plume Cloud incorrectly shows that the device supports uPnP, although it does not.
- PLOS-521 Optimizations from the Plume Cloud are not always processed, leading to inefficient power/channel settings.
- PLOS-518 When operating in PPPoE mode, some devices may request two separate PPPoE sessions.
- PLOS-513 In some cases, the **Log Pull** certificate can expire, causing log pulls to fail to upload to the Plume Cloud.
- PLOS-488 **Booted** and **Uptime** values are not displayed for PlumeOS SDGs in Plume Frontline.
- PLOS-429 The PlumeOS version string does not always display correctly in the Plume Cloud.
- PLOS-398 All devices reboots may not be properly reported to the Plume Cloud, causing the Plume **Reboot Time Machine** value to contain incorrect data.
- PLOS-388 The Watchdog timer may not always properly fire on Watchdog events, causing unexplained device reboots.
- PLOS-382 In some cases, radar detection for DFS does not function correctly.
- PLOS-370 In some cases, an SSID is broadcast during initial device connection until the unit is connected to the Plume Cloud.
- PLOS-327 In some cases, full wireless capabilities are not being advertised to clients, which can cause poor wireless performance.
- PLOS-305 The TR0-69 process can intermittently hang, causing the unit to fail to communicate to the cloud.
- PLOS-301 A specified ACS URL can, in some cases, not persist through a device reboot.
- PLOS-218 With Plume Guard enabled, firewall rules will be intermittently changed, causing some devices (such as wireless cameras) to stop functioning.
- PLOS-213 In some cases, multiple instances of DHCPv6 clients can run simultaneously and cause multiple IPv6 addresses to be pulled.

6. Upgrade Instructions

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

Step 1: Upgrading Firmware

All PlumeOS software 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.

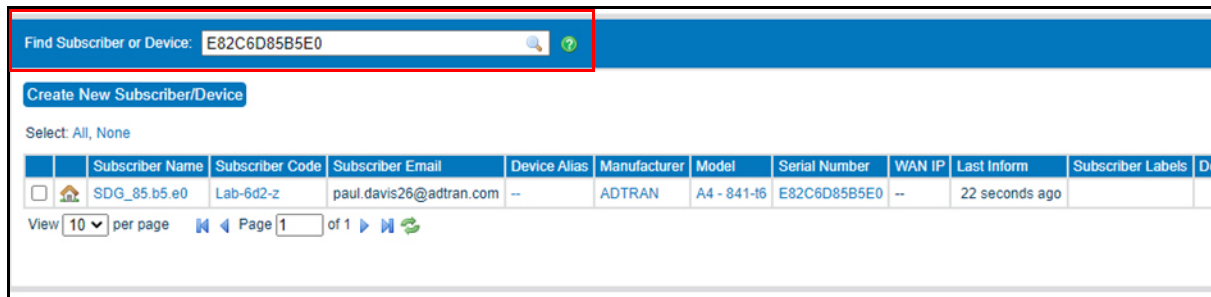
Step 2: Verifying the Version

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.

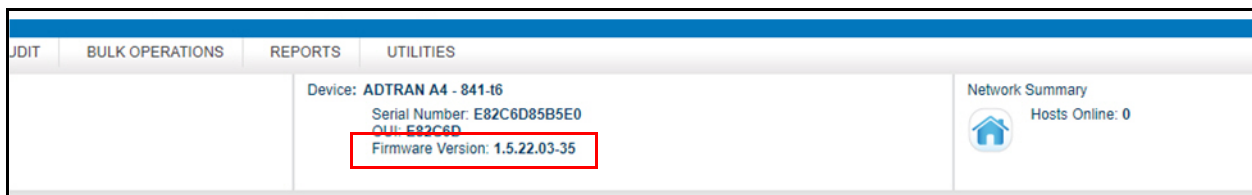
Verifying Software Version Using the ACS

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.

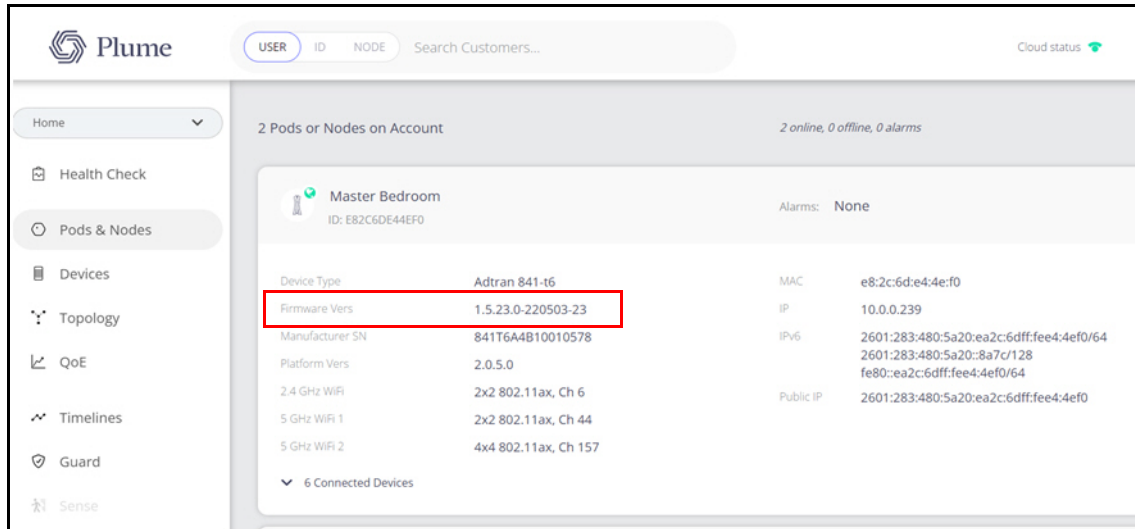


Verifying Software Version Using Plume Frontline

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).



7. 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.

8. Warranty and Contact Information

Warranty information can be found online by visiting www.adtran.com/warranty-terms.

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/support
Training	Email:	training@adtran.com
	Adtran University:	www.adtran.com/training
Sales	For pricing and availability:	1 (800) 827-0807