



## To the Holder of this Document

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# 1. Introduction

Adtran Intellifi® is a complete connected-home solution allowing Fiber-to-the-Home (FTTH) providers and emerging alternative providers (such as electric cooperatives, utilities, new fiber-centric operators, and cable MSOs) to deliver an intelligent, seamless, and personalized Wi-Fi experience to residential subscribers.

With Intellifi you can:

- Ensure seamless coverage to all users and devices with intelligent mesh Wi-Fi
- Deliver a personalized subscriber experience with an intuitive mobile app and suite of smart home services
- Empower help desk technicians, CSR personnel, and technical support with powerful insights and remote management tools to deliver full life cycle experience management at all touch points
- Deliver a differentiated experience with plug-and-play installation, custom branding, and new ARPU-enhancing services

Intellifi is a part of Adtran's comprehensive Residential Wi-Fi solution, deployed by over 150 services providers and connecting over six million subscribers worldwide.

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 in the [Intellifi documentation space](#) 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 SDG platforms that are supported in Adtran's Intellifi Solution 23.1 release. These devices must be running SmartOS 12.0.x.x or later for a successful onboarding experience. Once on-boarded, SDG devices should be upgraded to the SmartOS 12.1.3.1 release.

**Table 1. Supported SDG Platforms**

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

Table 2 lists the supported software components for the Intellifi Solution 23.1 release.

**Table 2. Supported Software Components**

Component Information
Mosaic One 23.24
MeshView (Mosaic One Intellifi Extension) 6.66.0
Intellifi Mobile App 4.8.0



**NOTE**

*The supported software components are part of Adtran's software as a service (SaaS) offering. As such, updates are periodic, automatic, and completed without user intervention. The software versions listed above are the **minimal** software versions supported by the Intellifi Solution 23.1 release.*

## 3. Features and Enhancements

### Features and Enhancements in 23.1

The Intellifi Solution 23.1 release is the first release of the Intellifi solution. The following is a summary of some of the key features delivered with the solution:

- Complete Residential Gateway feature set provided by Adtran's SmartOS
  - ◆ Includes Mesh implementation with state-of-the-art steering based on IEEE 802.11k/r/v
  - ◆ Efficient wireless backhaul technology in the market
  - ◆ Flexible topologies that support wired and wireless configurations
- Cloud communication
  - ◆ Includes real-time status changes
  - ◆ Provides telemetry data with 15 minute granularity for up to 7 days, and real-time Live Mode with 10 seconds granularity via support VPN
  - ◆ End-to-end security with the TLS 1.2 (or later) standard
  - ◆ HTTPS and MQTT standard protocol support
- Intellifi MeshView in Mosaic One
  - ◆ Service provider portal for Subscriber Experience management and troubleshooting that is simple and intuitive for help desk or customer service representatives to use
  - ◆ Role-based access control, including help desk, CSR, and admin roles for the ISP portals
  - ◆ Status and diagnostic tools, including:
    - Network status information, including both WAN and LAN
    - Physical interface status for Ethernet links, duplex mode, and wireless radios
    - Intuitive charts to display metrics over time
    - 7-day event system
    - Automated speed testing and reporting
  - ◆ Topology Services that optimize topologies based on real-time status, number of nodes, and devices

- ◆ Firmware management
  - ISP-defined firmware management rules
  - Automatic upgrades for all devices or a group of devices, with powerful scheduling capabilities
- ◆ Reporting tools with the ability to export to CSV files
- ◆ Virtual field technician support
  - Support VPN: provides remote access to devices using an on-demand, secure VPN, that includes source filtering and automatic tear-down
  - Functions across all types of NAT, multiple-NAT, CGNAT, etc.
- Intellifi Mobile App
  - ◆ Supported in both iOS and Android devices
  - ◆ Intuitive and easy-to-use interface
  - ◆ Simple onboarding for the end user with BLE (and QR code scan as a backup)
  - ◆ Speed testing from the Controller node
  - ◆ Device and node status information
  - ◆ Parental controls with scheduling and content filtering feature support
  - ◆ Primary and guest network management
  - ◆ User profile support
  - ◆ Notifications

## 4. Fixes

### Fixes in 23.1

This section highlights major bug fixes in the Intellifi Solution 23.1 release. The fixes are outlined in the release notes for each component of the Intellifi Solution.

- [Mosaic One Extension \(MeshView\) Release Notes](#)
- [SmartOS 12.1.3.1 Release Notes](#)
- Mobile App Release Notes (provided in the appropriate application store):
  - ◆ [Apple App Store](#)
  - ◆ [Google Play Store](#)

## 5. Errata

The following is a list of known issues that still exist in the Intellifi Solution 23.1 release. The fixes are outlined in the release notes for each component of the Intellifi Solution.

- [Mosaic One Extension \(MeshView\) Release Notes](#)
- [SmartOS 12.1.3.1 Release Notes](#)
- Mobile App Release Notes (provided in the appropriate application store):
  - ◆ [Apple App Store](#)
  - ◆ [Google Play Store](#)

## 6. Upgrade Instructions

Upgrading Adtran SDG products to the latest version of firmware is outlined in the following sections.



### NOTE

*These upgrade instructions are relative to **ONLY** the SDG devices used with the Intellifi Solution.*

### Step 1: Upgrading Firmware

1. Open a web browser, connect to **192.168.1.1/admin**, and login with the username **admin**, and the password assigned to your device.
2. Select **Admin > Update**, and then select the **Browse** button to locate the appropriate firmware image.
3. Once the appropriate firmware image has been located, select **Update Software** to begin the upgrade. The image will be uploaded to the device and the device will automatically reboot upon completion.

### Step 2: Verifying the Version

1. After the device has completed rebooting, press the **F5** key to refresh your browser, and then reconnect to **192.168.1.1/admin** to log back into the device. The **Device > Summary** menu page appears.
2. Verify the version information in the **Software Version** field.

## 7. Defaulting the Device

### Restoring Factory Default Settings

To restore the factory defaults to the gateway, follow these steps:

1. Navigate to **Admin > Configuration** in the GUI menu on the left, and select the **Factory Default** tab.
2. Select the **Factory Reset** button and confirm the changes.

## 8. Warranty and Contact Information

Warranty information can be found online by visiting [www.adtran.com/warranty-terms](http://www.adtran.com/warranty-terms).

To contact Adtran, choose one of the following methods:

Department	Contact Information
<b>Customer Care</b>	From within the U.S.: (888) 4ADTRAN ((888)-423-8726) From outside the U.S.: +1 (256) 963-8716
<b>Technical Support</b>	Support Community: <a href="http://www.supportcommunity.adtran.com">www.supportcommunity.adtran.com</a> Product Support: <a href="http://www.adtran.com/support">www.adtran.com/support</a>
<b>Training</b>	Email: <a href="mailto:training@adtran.com">training@adtran.com</a> Adtran University: <a href="http://www.adtran.com/training">www.adtran.com/training</a>
<b>Sales</b>	For pricing and availability: 1 (800) 827-0807