

G-TAP A Series v2.3.03 Release Note

Updated: March 8, 2017

Table of Contents

About this Document.....	1
Updating the G-TAP A Series Application.....	1
New Features.....	2
Resolved Issues.....	3
Known Issues.....	4
Usage Notes.....	4
G-TAP A Series Documentation.....	5
Contacting Gigamon Support.....	5
North America, South America, and Asia.....	5
Europe, Russia, and the Middle East.....	5
Web.....	5
Copyright.....	5
Trademark Attributions.....	5

About this Document

These Release Notes summarize the new features, known issues, and resolved issues in the v2.3.03 release for the G-TAP® A-TX and G-TAP® A-SF

Updating the G-TAP A Series Application

The G-TAP A Series Application v2.3.03 only runs on the latest model of the G-TAP A-TX and G-TAP A-SF. Ensure that you **do not** use the installation file for v2.3.03 on earlier models. The following table lists software version and installation file to use with each model. To verify the current hardware revision, use the **show_system** command. If it is not possible to use the command, the newer model is identifiable by its faceplate, which has status and battery level LEDs instead of battery power LEDs.

Hardware Revision	Software Version	Installation File
G-TAP A2/TX	V2.3.03	gta_ATX_IMAGE_2.3.03_20161118.bin
G-TAP A2/SF	v2.3.03	gtb_ASF_IMAGE_2.3.03_20161118.bin
G-TAP A2/TX	v2.3.02	gta_ATA_IMAGE_2.3.02_20160810.bin
G-TAP A2/SF	v2.3.02	gtb_SFX_IMAGE_2.3.02_20160810.bin
G-TAP A-SF	v2.2.27	gta2227.bin
G-TAP A-TX	v2.2.27	gtb2227.bin

The G-TAP A Series device is updated with the **install** command. The **install** command downloads an installation file stored on a specified TFTP server over the Mgmt port and applies it to the system. Use the following procedure to update the application:

1. Copy the installation file for the G-TAP A Series to your TFTP server's root directory. The installation files is named as follows:
 - **G-TAP A-TX:** gta_ATX_IMAGE_2.3.03_20161118.bin
 - **G-TAP A-SF:** gtb_ASF_IMAGE_2.3.03_20161118.bin
2. Log in to the CLI of the system to be updated.
3. Use the **install "filename" tftp_server_ip** command to download and install the software. For example, the following command installs the gta_ATX_IMAGE_2.3.03_20161118.bin file from the TFTP server at 192.168.1.10:

install gta_ATX_IMAGE_2.3.03_20161118.bin 192.168.1.10

4. Use the **reboot** command and select **1** for **Warm Reboot** to restart the system with the updated software loaded. Note that the Network and Monitor/Tool ports will bounce during a cold reboot.

Note: There is no bootloader update for the v2.3.03 release.

Minimum Hardware Revision Requirement

The following table lists the minimum Hardware revision required to upgrade the units to software version 2.3.03:

G-TAP Model Number	Minimum Hardware Revision Required for Upgrade
GTP-ASF00/01/02	≥ D6
GTP-ASF03/04/05	≥ D5
GTP-ATX00/01/02	≥ G6
GTP-ATX03/04/05	≥ G5

New Features

The following are new features introduced in the v2.3.01 release:

- Battery Detection—battery presence or absence is indicated.
- Battery Temperature Monitoring—battery temperature within specification is indicated
- Battery Exercise Test—battery health is maintained by a Battery Exercise Check (BET) one per 90 days.
- Battery Health Check—battery health checks are done regularly. A new dedicated battery LED indicates the battery's state of health.
- Power Over Ethernet (PoE) Pass Through—G-TAP A-Tx network ports allow for PoE pass through.
- BET Logging—last four record of the BET are saved in non-volatile memory. The new **show battrex** command displays the records.
- BET Scheduling—new **BET** commands sets the schedule for the BET.
- Board Temperature—the new **brdtmp** command displays board temperature.
- Non-constant Charging—battery charging stops when the battery is at 100% capacity. Charging starts at 95% capacity.

- SNMP Traps—new traps have been added for reporting changes related to battery presence or absence and battery and board temperature out of limits. The new traps are:
 - System Reboot
 - Power Source Status Change
 - Power Event Status Change
 - Battery Level %
 - Battery Presence
 - Battery Exercise Started
 - Battery Exercise Ended
 - Battery Exercise Missed
 - Hardware Problem During Battery Exercise
 - SOH
 - Battery Temperature
 - Board Temperature

Resolved Issues

Resolved Issues in v2.3.03

- TP-12022 Battery Exercise Test (BET) fails due to battery discharging slowly. The BET failure occurs only when the SFP+ module is not inserted in G-TAP A-SF.
- TP-12018 Older version of G-TAP A series hardware remains in active mode after upgrading the software version to 2.3.02.
- TP-12012 Battery charging indicators do not stabilize.

Resolved Issues in v2.3.02

- TP-12017 Unable to configure G-TAP A series in active mode after upgrading to software image gta_ATX_IMAGE_2.3.02_20150727.bin. This upgrade requires upgraded bootrom. Refer to [TP-12021](#) in the Known Issues in v2.2.01 section.

Resolved Issues in v2.2.27

- TP-12010 G-TAP A-TX with no battery present displays battery as present and charging.
- TP-10757 Link does not come up after link-down propagation.
- TT-10757 Resolved an issue on 1G links where a G-TAP A-TX with link status propagation enabled did not always bring both Network ports back up when the down link was restored.

Known Issues

Known Issues in v2.2.03

- TP-12021 The models and the Hardware revisions listed in the following table cannot be upgraded to the software version 2.3.03 because they contain older version of the AppLoader.

Models	Hardware Revisions with missing AppLoader
GTP-ASF00/01/02	D1 to D5
GTP-ASF03/04/05	D1 to D4
GTP-ATX00/01/02	G1 to G5
GTP-ATX03/04/05	G1 to G4

Known Issues in v2.2.27

- TP-12014 Traffic does not pass through on G-TAP A-TX after using after using the **config taptx passive** command.
- TT-10341 After installing the v2.2.27 software, the **show version** command incorrectly reports the installed **Filename** as **gta2007.bin** instead of **gta2227.bin**. For example.:

SW Version : 2.2.27 Filename=gta2007.bin

This is only a cosmetic issue and does not affect G-TAP functionality. However, you can resolve the issue by installing the v2.2.27 software again, followed by a warm reboot. After reinstalling, the **Filename** will be correctly reported as **gta2227.bin** in the **show version** output.

Usage Notes

- The **show diag** command reports CRC errors differently on the G-TAP A-TX and G-TAP A-SF taps:
 - G-TAP A-TX:** CRC errors for network ports are reported for diagnostic purposes.
 - G-TAP A-SF:** CRC errors are not reported.
- The G-TAP A-SF tap supports **5M** Direct Attach Cables (SFP+ Copper) for connectivity to 10G/1G fiber and copper Ethernet links in this release. Ten meter (**10M**) DACs are not supported.
- Tap speed is determined by the external devices connected to the Network ports. The external devices must be running at the same speed for data to be passed to the Monitor/ Tool ports.
 - Both Network ports must use the same transceiver type (for example, an SX SFP in Network A and an SX SFP in Network B).
 - The Tool ports can use different types of SFP or SFP+ transceivers, provided they can operate at the speed used by the external devices. However, the transceivers used in the tool ports on the G-TAP A-SF do not control tap speed.

For example, if the network ports both use 1G multi-mode fiber transceivers, you could use a 1G single-mode fiber transceiver in Tool Port A and a 10G multi-mode SFP+ transceiver in Tool Port B. **However, the 10G transceiver in Tool Port B would operate at the 1G speed determined by the network ports – not at 10G.** This is summarized in the following table:

Network Port A	Network Port B	Tool Port A	Tool Port B
1G SFP MM	1G SFP MM	1G SFP SM	10G SFP+ SM This port uses a 10G SFP+ but operates at the 1G speed determined by the network ports.

G-TAP A Series Documentation

Gigamon provides the following documentation for G-TAP A Series:

Document	Summary
G-TAP A Series User's Guide	Provides detailed instructions how to install, connect, and configure G-TAP models in Gigamon's A Series, including the G-TAP A-TX, G-TAP A-SF, and the available Power Supply Tray. This document applies to G-TAP A Series running software version 2.3.01 and higher..
G-TAP A Series Quick Install Guide	Describes how to install, connect, and configure G-TAP models in Gigamon's A Series, including the G-TAP A-TX, G-TAP A-SF, and the available Power Supply Tray. This document applies to G-TAP A Series models running software version 2.2.27 and lower.
G-TAP A Series Release Notes (this document)	Describes new features and known issues in the release.

Contacting Gigamon Support

Contact Gigamon's Support department with product questions using the information below:

North America, South America, and Asia

- Monday through Friday from 8:00 am – 5:00 pm Pacific Time, except major US holidays
- Email support@Gigamon.com
- Support Telephone Number: **(408) 263-2024**

Europe, Russia, and the Middle East

- Monday through Friday from 8:00 am – 5:00 pm United Kingdom time
- Email emea_support@Gigamon.com
- Support Telephone Number: **+44 118 983 8900**

Web

See <http://www.gigamon.com/gigamon-technical-support> for additional information on Technical Support.

Copyright

Copyright © 2017 Gigamon. All Rights Reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form or by any means without Gigamon's written permission.

Trademark Attributions

Copyright © 2017 Gigamon. All rights reserved. Gigamon and the Gigamon logo are trademarks of Gigamon in the United States and/or other countries. Gigamon trademarks can be found at www.gigamon.com/legal-trademarks. All other trademarks are the trademarks of their respective owners.