

GBT BMC Firmware Upgrade User Guide

GIGABYTE Software

Document No.: GBT_BMC_FW_UP_GID_0009

Authors:

Sam HuangPopcorn LiFrank ChengPeter LinDuna Chung

Approved By:

Storm Chen**PROPRIETARY INFORMATION -- NOT FOR PUBLICATION**

The information contained herein is the property of Gigabyte Technology Co., Ltd. and is supplied without liability for errors or omissions. No part may be reproduced or used except as authorized by contract or other written permission. The copyright and the foregoing restriction on reproduction and use extend to all media in which the information may be embodied.

Contents

0. General Information 3

0.1. Issue Control 3

0.2. Record of Changes 3

0.3. References 3

0.4. Acronyms 3

1. Files Hierarchy 4

2. Upgrade BMC Firmware in the BMC Web UI 錯誤! 尚未定義書籤。

0. General Information

0.1. Issue Control

This document was edited with **Microsoft Word, Version 2016**. The graphic drawings are originally sketched in **Microsoft PowerPoint Version 2016**.

0.2. Record of Changes

Table 0-1. Record of Changes

Issue	Date	Authors	Reason for Changes
1.01	2021/04/08	Popcorn Li	First release.
1.02	2021/09/30	Popcorn Li	Update Files Hierarchy and gigaflash version
1.03	2022/01/20	Frank Cheng	Disable V13 (2600) preserve conf function for now
1.04	2022/03/16	Frank.Cheng	Reenable V13 preserve conf function, Update some Files Hierarchy and gigaflash version
1.05	2022/06/28	Frank.Cheng	Add UEFI arm gigaflash tool, update uefi command for arm uefi.
1.06	2023/05/02	Peter Lin	Add “preserve” parameter to update BMC in preserve mode without ask preserve or not.
1.07	2024/06/18	Duna Chung	Support Insyde
1.08	2026/02/04	Jose Wang	Add the BMC Web UI upgrade method.
1.09	2026/06/08	Jose Wang	Remove gigaflash-related content.

0.3. References

NO	Document title

0.4. Acronyms

1. Files Hierarchy

Root Folder

- |-- fw
 - 13xxxx.bin ; AMI BMC firmware Binary, file name was BMC firmware version
 - image-bmc ; Insyde BMC firmware Binary
 - BMC_FW_Upgrade_User_Guide.pdf ; GBT BMC firmware upgrade user guide
 - BMC_Release_Note_12xxxx.doc ; GBT BMC firmware release note

2. Upgrade BMC Firmware in the BMC Web UI

1. Login to the BMC web UI and navigate the webpage to the "Maintenance" -> "Firmware Update".

2. Click  and browse to select the "ima_enc" file in the directory.

3. Click  to initial the update.

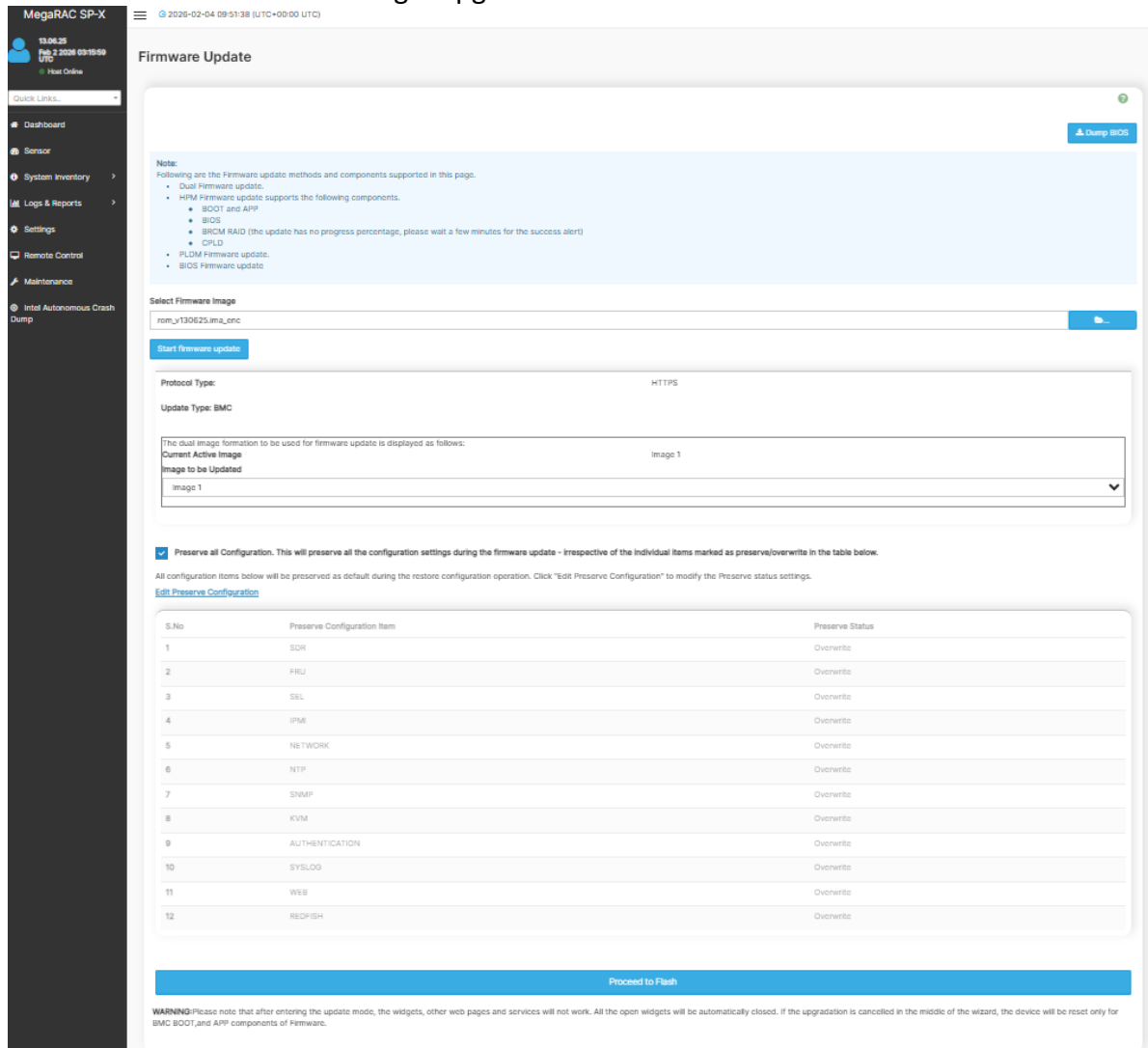
4. System will ask you to select target flash for dual mode system, you can choose one from four "Inactive image", "image 1", "image 2" and "both" options. In RoT mode, there is no choice in this step.

5. Decide to upgrade in "Preserve" or "Non-preserve" mode. Check

☒ **Preserve all Configuration.** This will preserve all the configuration settings during the firmware update - irrespective of the individual items marked as preserve/overwrite in the table below.

will keep current settings after firmware update, otherwise the update will remove them all.

6. Click  to begin upgrade.



MegaRAC SP-X 2026-02-04 09:51:38 (UTC+00:00 UTC)

13.06.25 Feb 2 2026 09:59:59 Host Online

Quick Links

- Dashboard
- Sensor
- System Inventory
- Logs & Reports
- Settings
- Remote Control
- Maintenance
- Intel Autonomous Crash Dump

Firmware Update

[Dump BIOS](#)

Note:
Following are the Firmware update methods and components supported in this page.

- Dual Firmware update.
 - HPM Firmware update supports the following components.
 - BOOT and APP
 - BIOS
 - BMC RAID (the update has no progress percentage, please wait a few minutes for the success alert)
 - CPLD
 - PLDM Firmware update.
 - BIOS Firmware update.

Select Firmware Image
rom_v130625_ima_enc

[Start Firmware Update](#)

Protocol Type: HTTPS

Update Type: BMC

The dual image formation to be used for firmware update is displayed as follows:

Current Active Image	Image to be Updated
Image 1	Image 1

☒ **Preserve all Configuration.** This will preserve all the configuration settings during the firmware update - irrespective of the individual items marked as preserve/overwrite in the table below.

All configuration items below will be preserved as default during the restore configuration operation. Click "Edit Preserve Configuration" to modify the Preserve status settings.

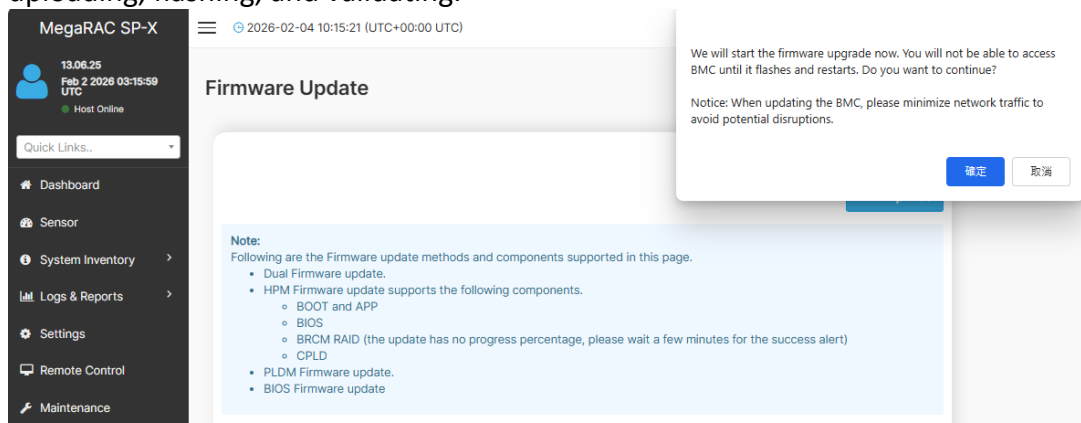
[Edit Preserve Configuration](#)

S.No	Preserve Configuration Item	Preserve Status
1	SCSI	Overwrite
2	FBIJ	Overwrite
3	SSL	Overwrite
4	IPMI	Overwrite
5	NETWORK	Overwrite
6	NTP	Overwrite
7	SNMP	Overwrite
8	KVM	Overwrite
9	AUTHENTICATION	Overwrite
10	SYSLOG	Overwrite
11	WEB	Overwrite
12	REDFISH	Overwrite

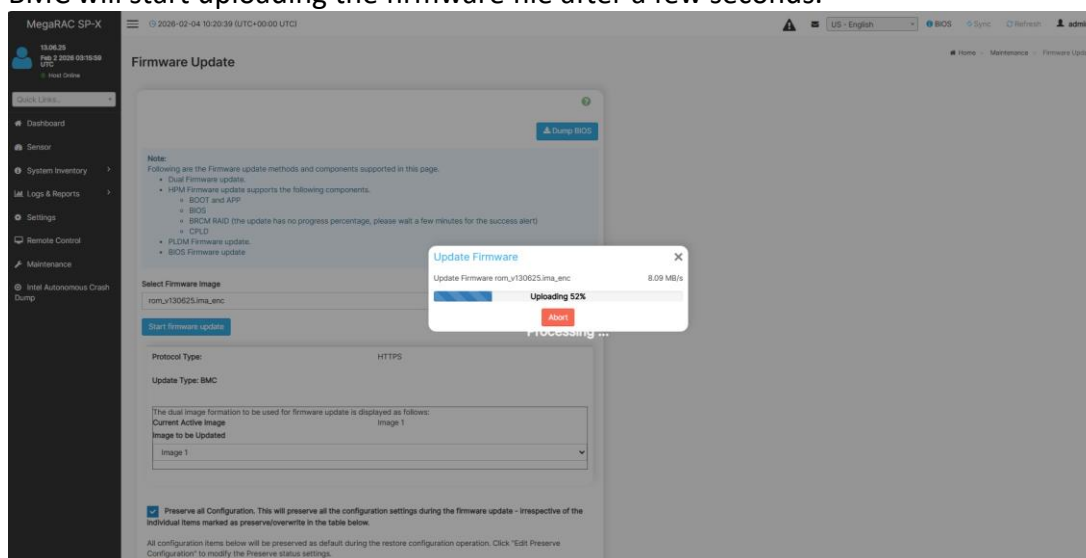
[Proceed to Flash](#)

WARNING: Please note that after entering the update mode, the widgets, other web pages and services will not work. All the open widgets will be automatically closed. If the upgradation is cancelled in the middle of the wizard, the device will be reset only for BMC BOOT and APP components of Firmware.

7. System will have a second confirmation before the flash deploying start, click “OK” button to start to write data into flash. It takes several minutes, entire process divides in three parts, uploading, flashing, and validating.



8. BMC will start uploading the firmware file after a few seconds.



9. When the upgrade is complete, the webpage will show “Update completed” with a green bar.

