

Altos BrainSphere™ T110 F7 BIOS and BMC Firmware Upgrade Guide

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Preface

1. Please visit the official Altos website and download the latest firmware update package for your system model.

Website Link : <https://www.altoscomputing.com/en-US/download>

2. Please update your system firmware with caution, as incorrect firmware updates can lead to system damage.
 3. Please do not unplug the power cord or shutdown the machine during BMC/BIOS firmware update status.
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Chapter 1. Configure the BMC LAN IP address.

1. After the system boots, press the DEL key to enter BIOS Setup, select the “**Server Mgmt**” page, and enter “**BMC Network Configuration**” to set your **BMC LAN IP**.

You can choose Static or DHCP according to your preference to configure the IP address.

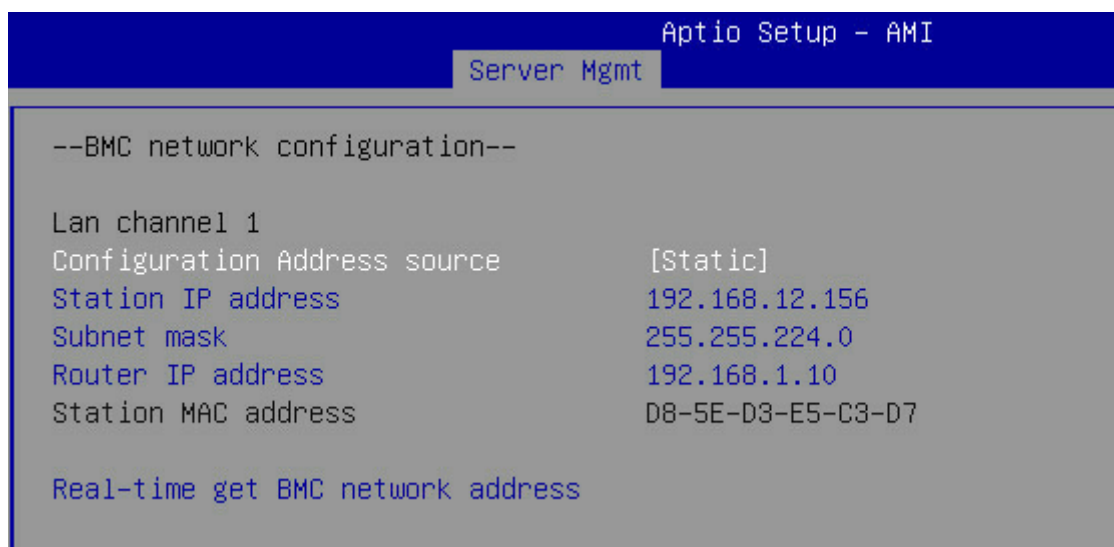


Figure 1.

2. According to your configuration, enter the **BMC LAN IP** in your laptop browser to access the BMC Web UI. Enter the following username and password for BMC login.

Default username: *altos1*

Default password: *Superuser@123*

⚠ 不安全 | <https://192.168.12.156/#login>

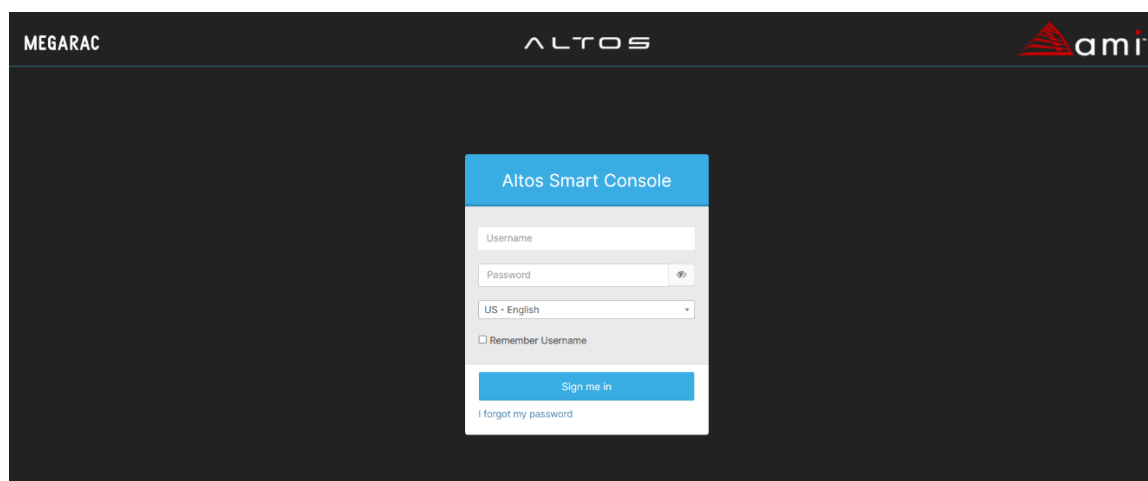


Figure 2.

Chapter 2. Update the BMC firmware in BMC Web UI

1. Access the BMC Web UI, go to the maintenance page, and select the firmware update option.

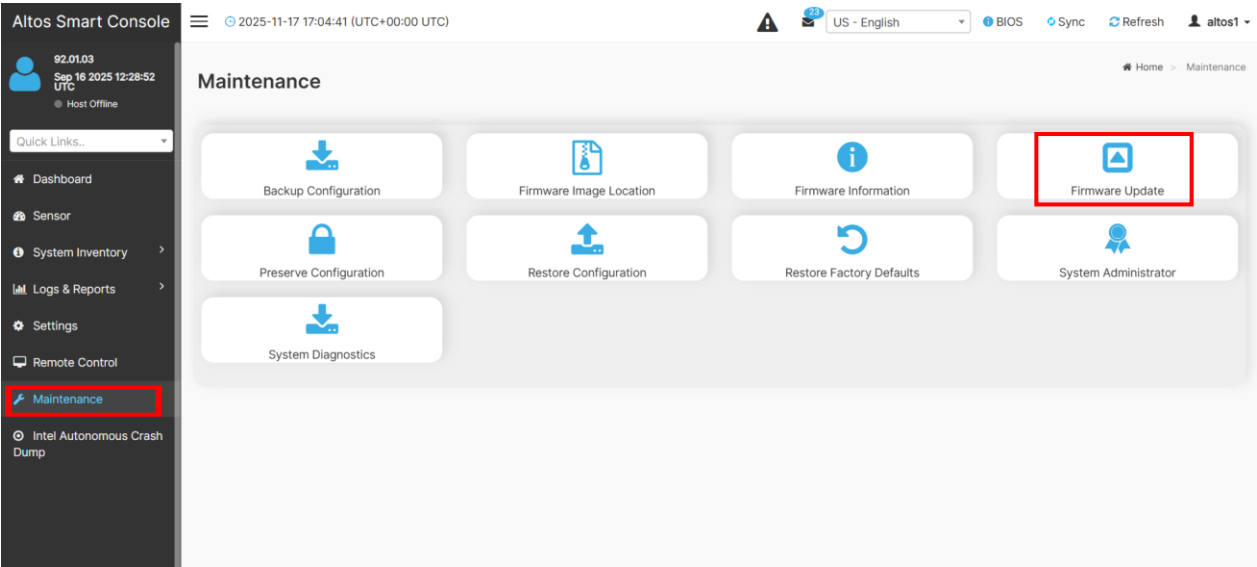


Figure 3.

2. Download the firmware update package to your computer, upload the “*.ima_enc” file from the folder, and click on the “**Start firmware update**” option.

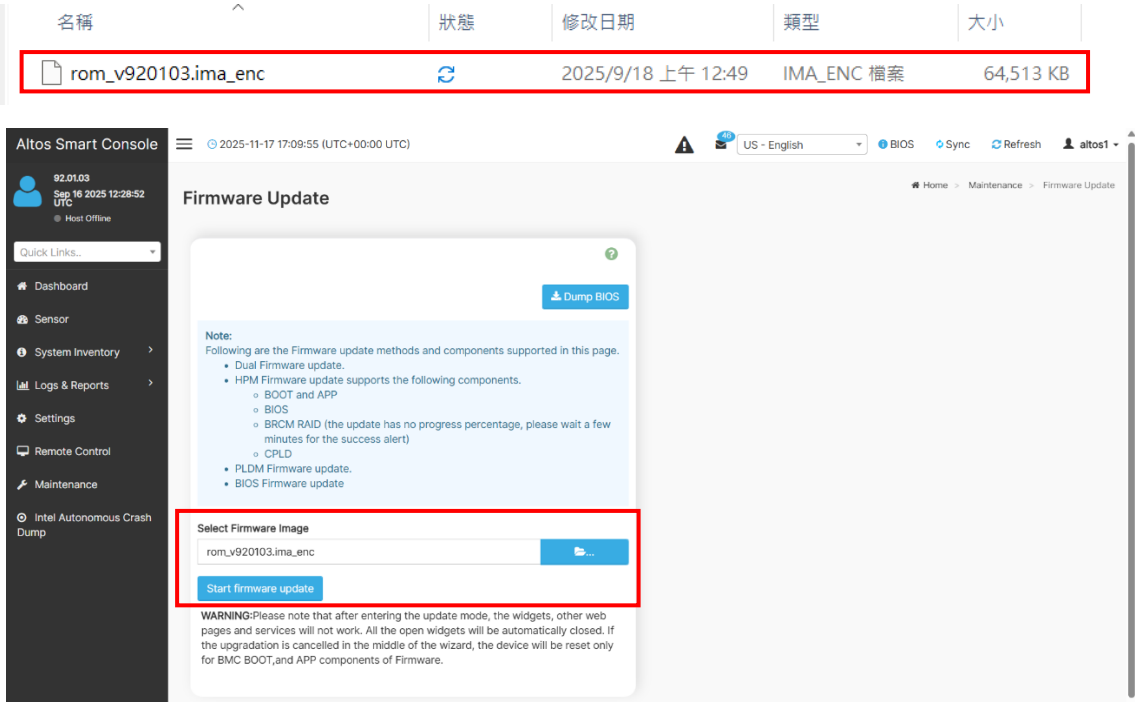


Figure 4.

3. After pressing **“Start firmware update”**, you will see the following screen. You can decide whether to preserve the configuration and select the **BMC image 1 or 2** you want to update, and click **“Proceed to flash”** to start the update.

Select Firmware Image

rom_y920103.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 1

Image to be Updated 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	SDR	Overwrite
2	FRU	Overwrite
3	SEL	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.

Figure 5.

4. Press **“OK”** to continue

192.168.12.156

We will start the firmware upgrade now. You will not be able to access BMC until it flashes and restarts. Do you want to continue?

OK Cancel

Figure 6.

5. The system begins the update process, and after the update is completed, please follow the prompts to wait for BMC initialization for a few minutes before reconnecting to the BMC Web UI.

Note. If you didn't choose to preserve the configuration before the update, you'll need to reconfigure the IP address to reconnect to the BMC Web UI.

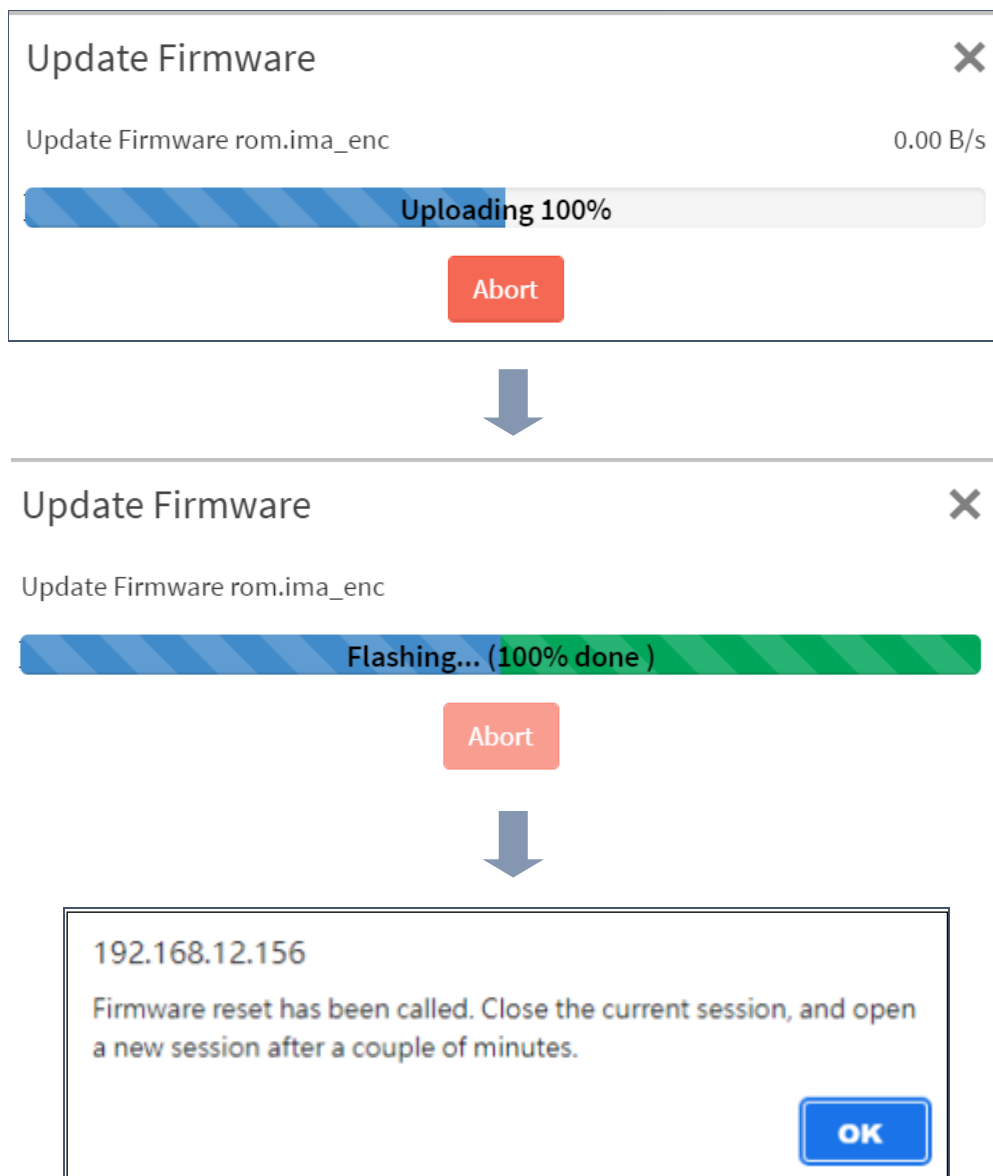


Figure 7.

6. Login to the BMC Web UI and check if the version is correct.

Chapter 3. Update the BIOS firmware in BMC Web UI

1. Access the BMC Web UI, go to the maintenance page, and select the firmware update option.

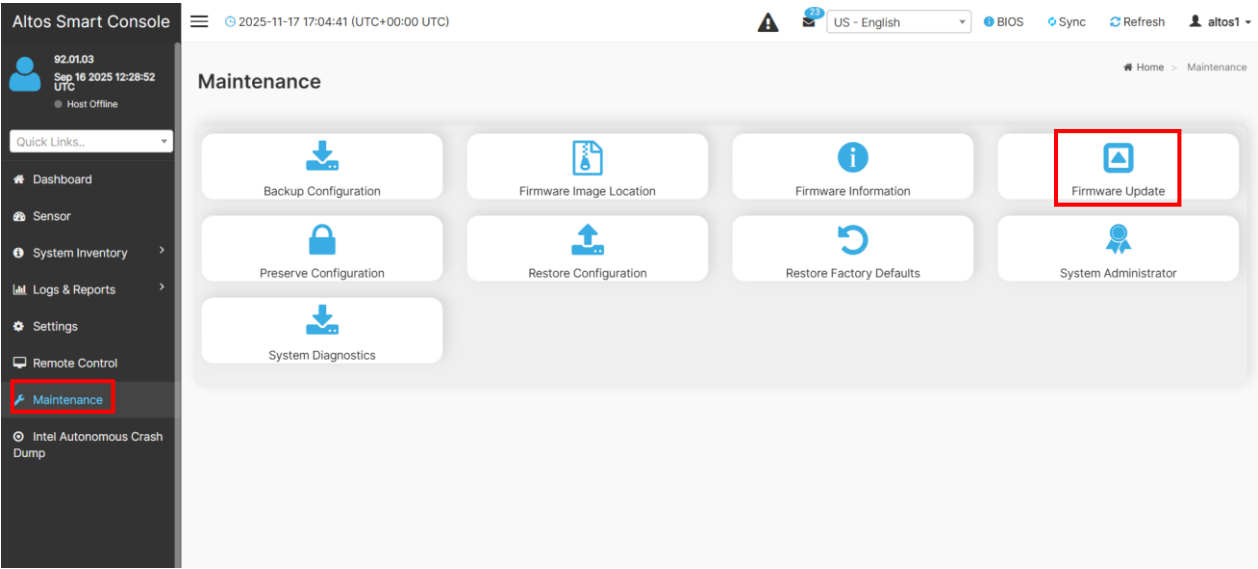


Figure 8.

2. Download the firmware update package to your computer, upload the **"image.rbu"** file from the folder, and click on the **"Start firmware update"** option.

名稱	狀態	修改日期	類型	大小
image.RBU	✓	2024/1/30 上午 03:48	RBU 檔案	32,769 KB

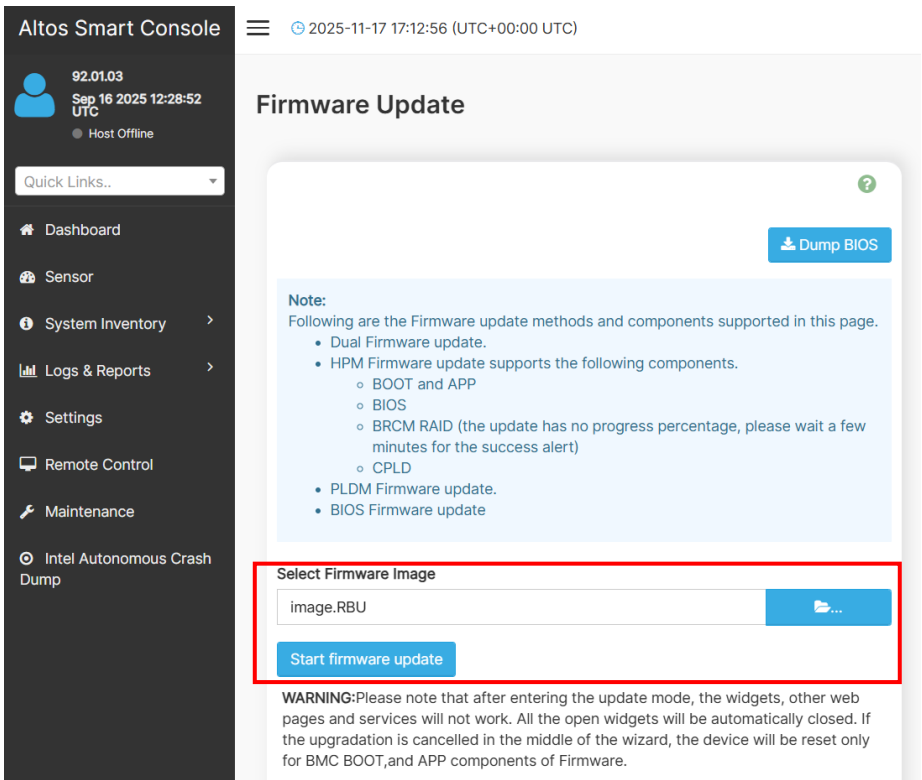


Figure 9.

3. After pressing “**Start firmware update**”, you will see the following screen. Select the BIOS ROM you want to update, and click “**Proceed to flash**” to start the update.

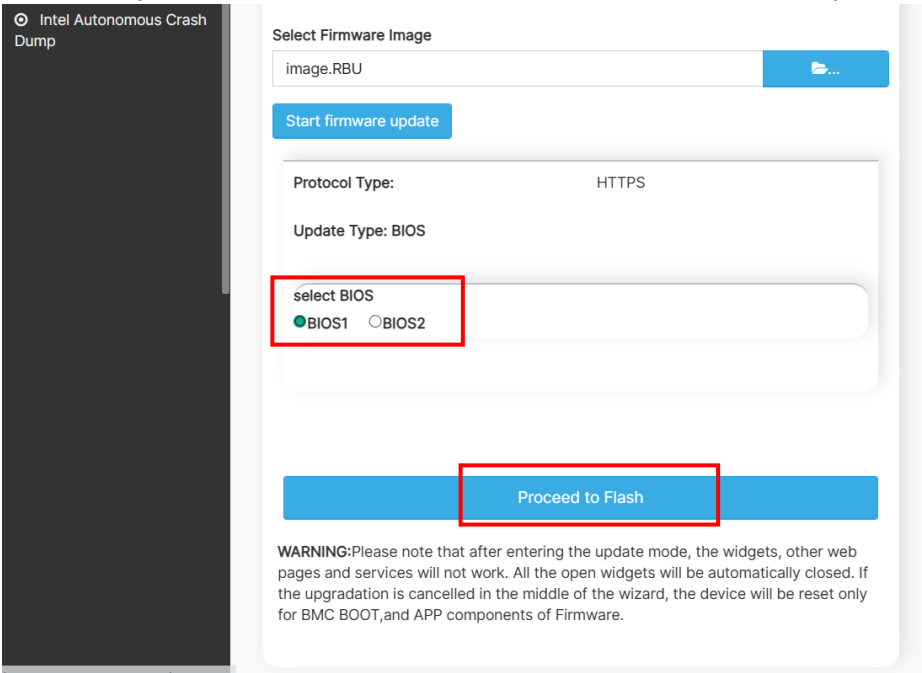


Figure 10.

4. Press "OK" to continue

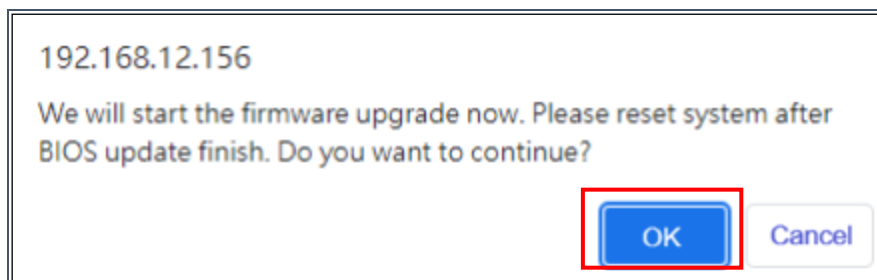


Figure 11.

5. The system starts the update process. Please wait for the update to be completed.

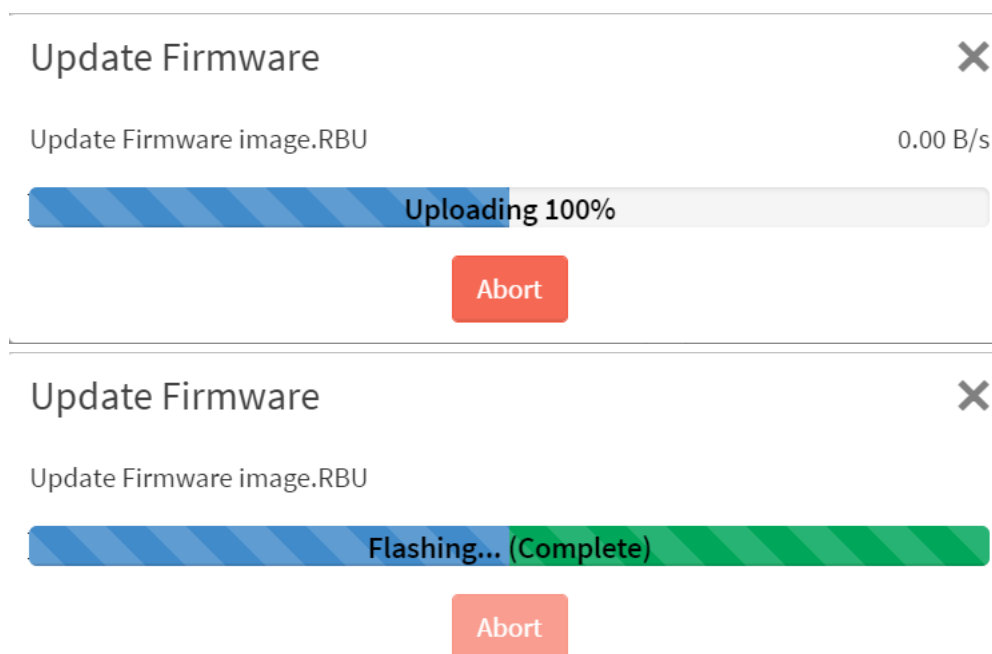


Figure 12.

6. After the update is completed, please **manually restart the system** to load the new BIOS image.

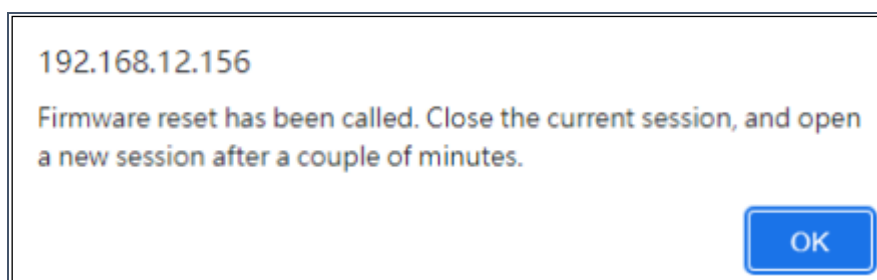


Figure 13.

7. After the system has restarted and completed the update, please check the BIOS version in

the BIOS Setup and the BMC Web UI to ensure that it is correct.

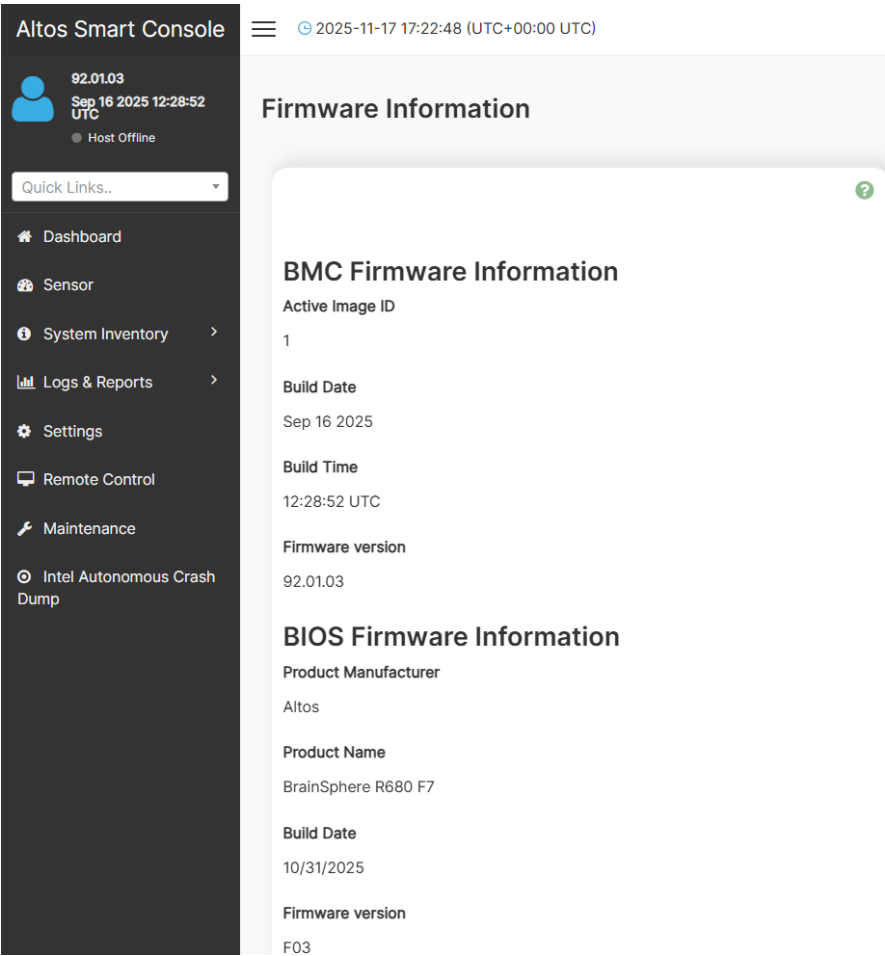


Figure 14.