

Thunderbolt™ 3 Firmware Update Guide for Intel® NUC10ixFN

May 2021

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Revision History

Date	Revision	Description
May 2021	1.0	Initial release.

1.0 Introduction

This document guides you on updating the Thunderbolt™ 3 firmware on your Intel® NUC10ixFN.

1.1 Requirements / Before You Begin

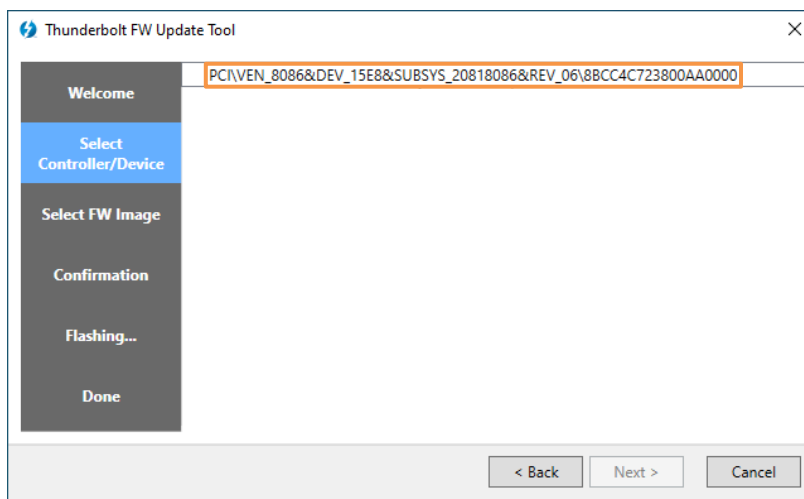
Before you run the Thunderbolt 3 firmware update tool:

- Operating system must be Windows® 10 version 1809 or later
- Make sure you have the latest [Thunderbolt Driver](#) installed
- Download the latest [Thunderbolt 3 Firmware Update package](#). Unzip the firmware package on the Intel NUC 9 Extreme Laptop Kit you plan to update
- This update will NOT work on pre-production hardware
- The Intel® NUC10ixFN must be connected to AC power during the update

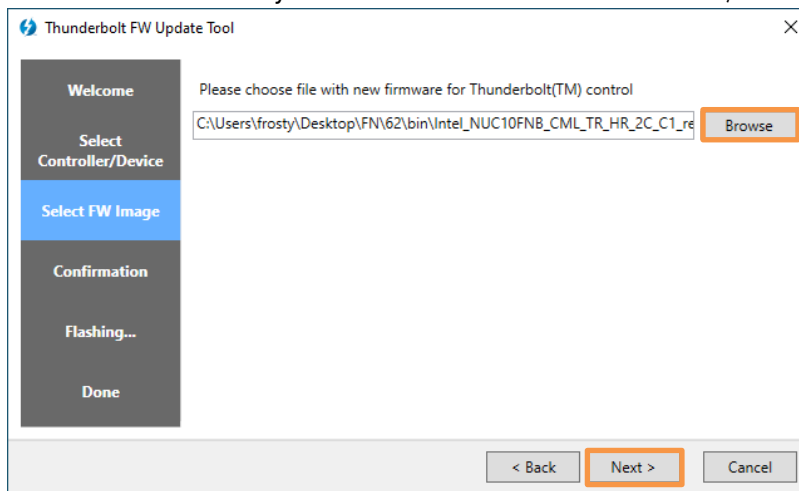
2.0 Update the Thunderbolt 3 Firmware

1. Unzip the Thunderbolt Firmware Update tool and double-click **FwUpdateTool.exe** to start the update process.
2. Welcome screen: **Click Next**.
3. Select Controller/Device: **Click** on the Thunderbolt controller, not the device, then **click Next**.

NOTE: You do not need a Thunderbolt device connected to the Intel NUC to use the firmware update.

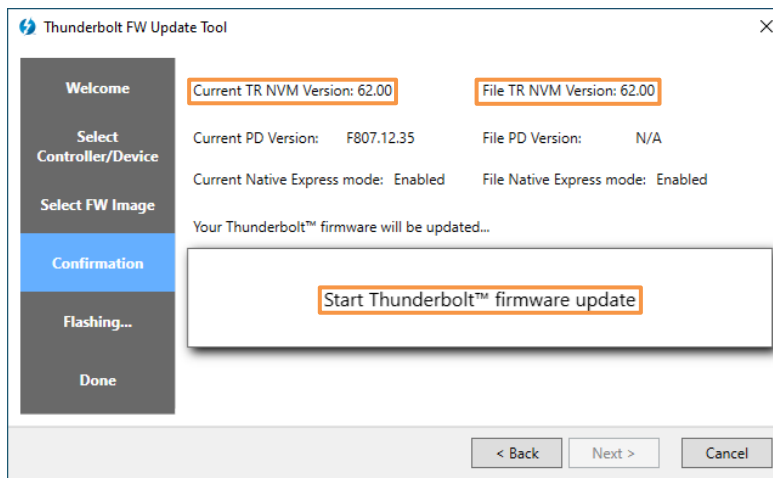


4. Select FW Image: **Click Browse**. **Browse to:** Thunderbolt Update Tool folder you unzipped > bin folder > the folder for your device. Double-click the .bin file, then **click Next**.

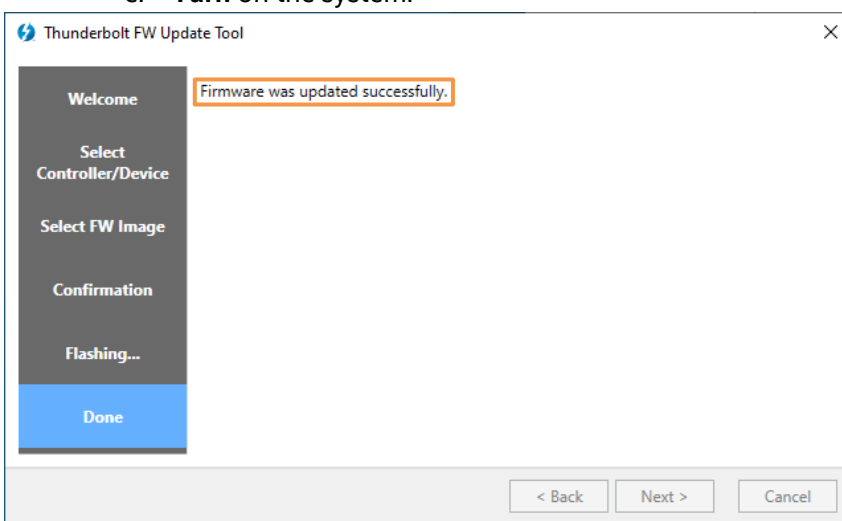


5. Confirmation: **Compare** the Current NVM Version and the File NVM Version.

NOTE: If the **Current NVM Version** and **File NVM Version** are the same, the firmware does not need to be updated.



6. **Click** the *Start Thunderbolt™ firmware update* button to start the update.
7. A progress bar will display during the update.
8. After the firmware has been successfully updated:
 - a. **Close** the application
 - b. **Shutdown** the system
 - c. **Disconnect** the power from the Intel NUC for 10 seconds
 - d. **Attach** the power cord
 - e. **Turn** on the system.



Optional: To check that the firmware updated successfully

1. **Run** through steps 1-8, until you get to the Confirmation page.
2. **Compare** the *Current NVM Version* to the *File NVM Version*.

