

Thunderbolt™ 3 Firmware Update Guide for Intel® NUC 9 Extreme Laptop Kits LAPQC71x

April 2021

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Revision History

Date	Revision	Description
April 2020	1.0	Initial release. Firmware version 0056
September 2020	1.1	Product renamed
March 2021	1.2	Support for firmware version 0062 added
April 2021	1.3	Revised Instructions for clarity

1.0 Introduction

This document guides you on updating the Thunderbolt™ 3 firmware on your Intel® NUC 9 Extreme Laptop Kit product(s).

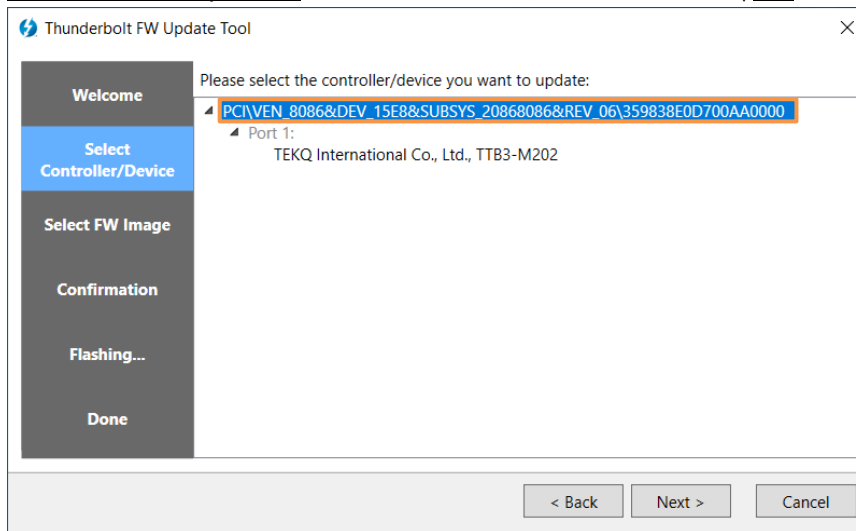
1.1 Requirements / Before You Begin

Before you run the Thunderbolt 3 firmware update tool:

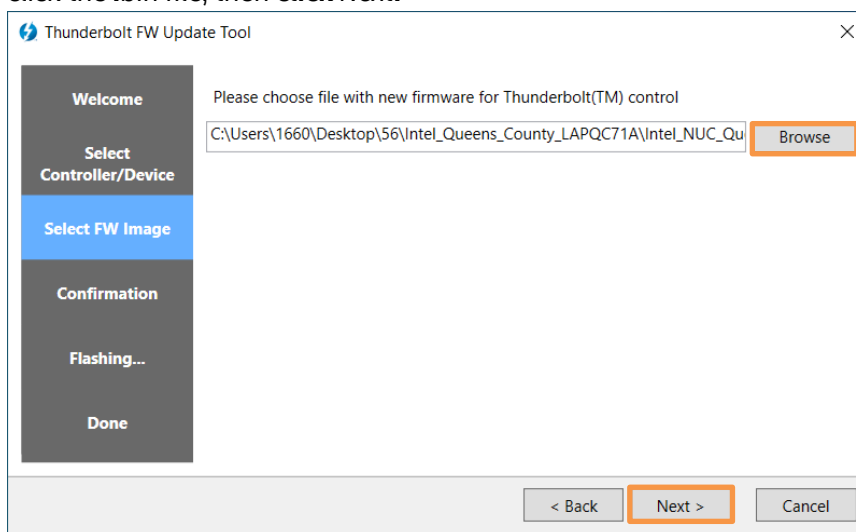
- Operating system must be Windows® 10 version 1809 or later
- Make sure you have the latest [Thunderbolt Driver](#) installed
- Download the latest [Thunderbolt 3 Firmware Update package](#). Unzip the firmware package on the Intel NUC 9 Extreme Laptop Kit you plan to update
- This update will NOT work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

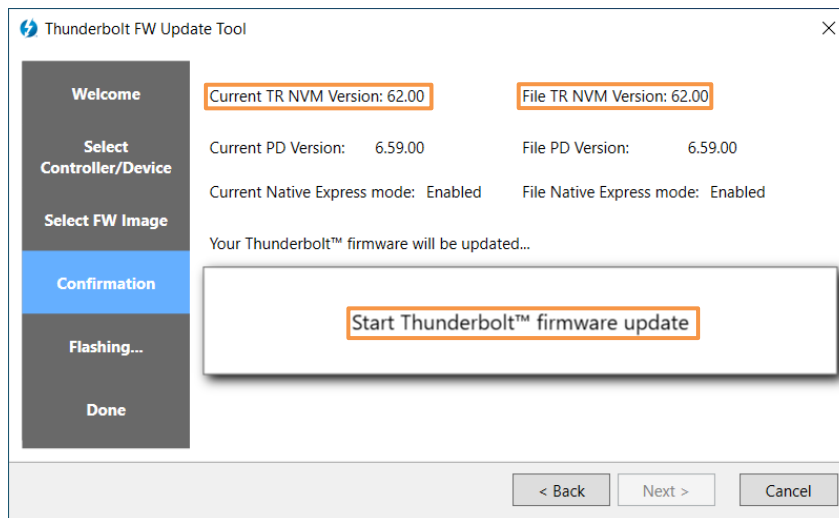


4. Select FW Image: **Click Browse**. Browse to: Thunderbolt Update Tool folder you unzipped > bin folder > the folder for your device. Double-click the .bin file, then **click Next**.



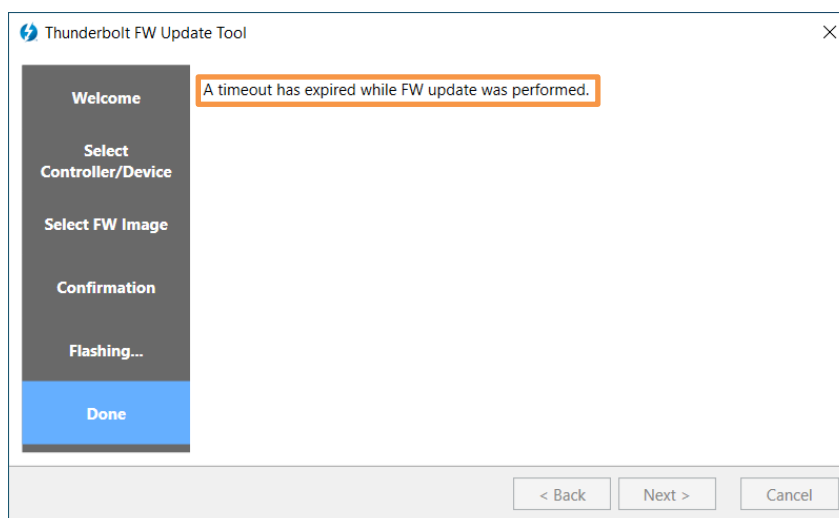
5. Confirmation: **Compare** the Current NVM Version and the File NVM Version.

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



6. **Click**, *Start Thunderbolt™ firmware update* and the firmware update will begin. A progress bar will display during the update.

NOTE: If you don't have a Thunderbolt device attached when running the firmware update, you will get a timeout message. However, the firmware update will still be successful. Close the application and follow the rest of the steps.



7. After the firmware has been 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*.

