

THUNDERBOLT™ 3 FIRMWARE UPDATE GUIDE FOR INTEL® NUC 9 EXTREME LAPTOP KITS LAPQC71X

MARCH 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

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:

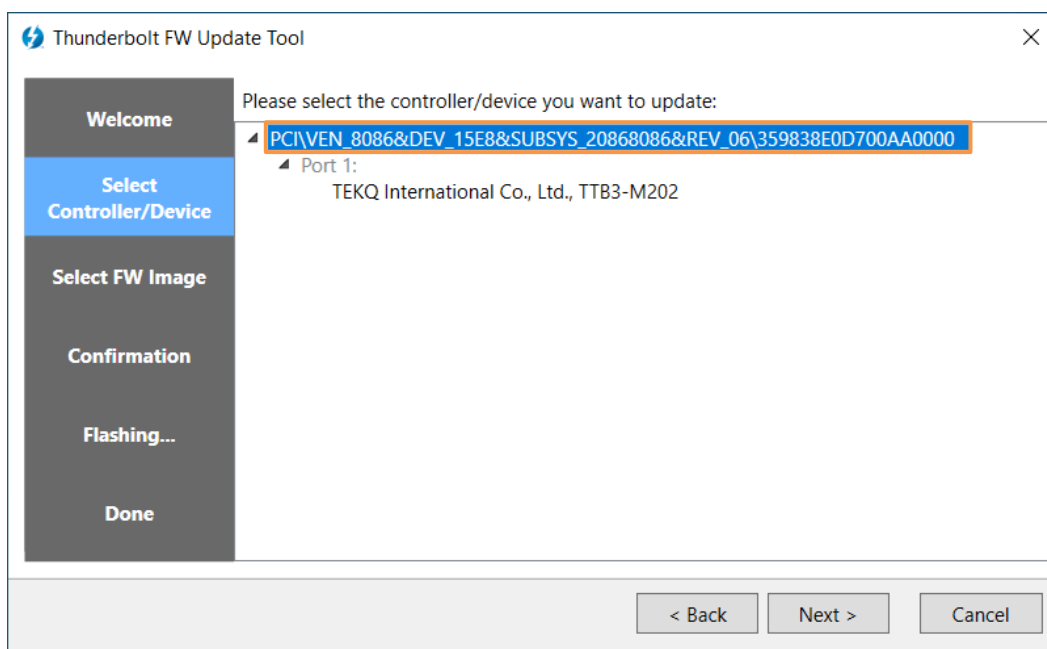
- Operating system must be Windows® 10 version 1809 or later
- Ensure you have the latest [Thunderbolt Driver](#) installed
- Download the latest [Thunderbolt 3 Firmware Update package](#). Unzip the firmware package on the Intel NUC 9 Extreme Laptop Kit you plan to update
- This update will NOT work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

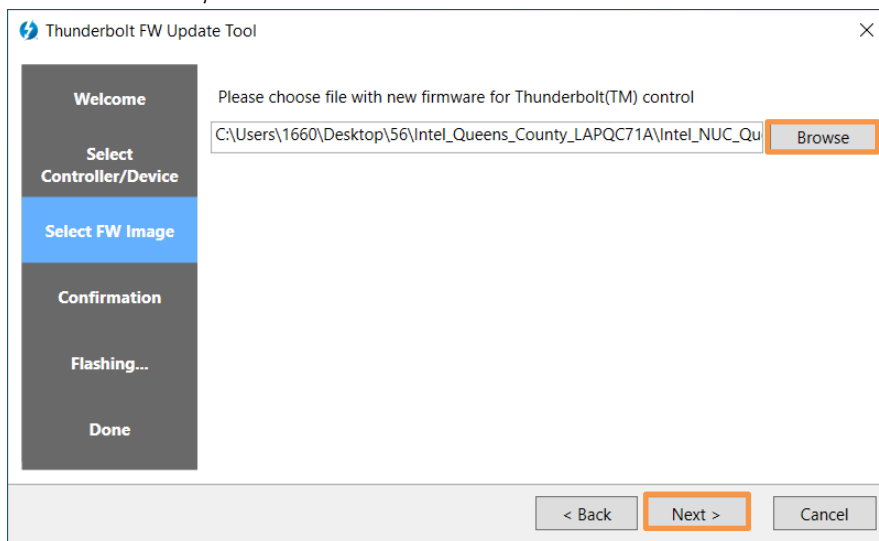
1. Unzip the Thunderbolt Firmware Update tool and double-click **FwUpdateTool.exe** to start the update process.

NOTE: If you don't have a Thunderbolt or USB Type C device connected when updating the Thunderbolt firmware, you will get an error. See the last page for more information.

2. On the Welcome screen: **Click Next**.
3. Select Controller/Device: **Click** on the Thunderbolt controller, not the device, then **click Next**.

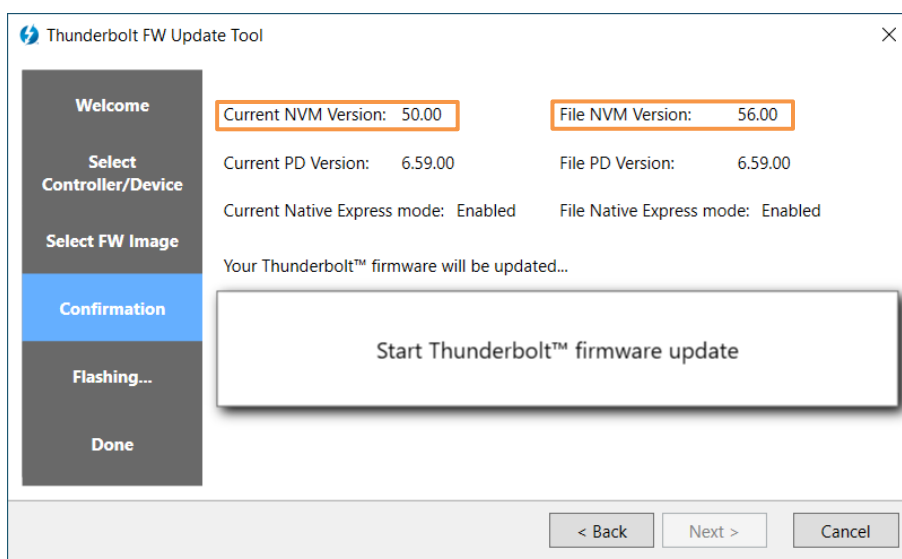


4. Select FW Image: **Click Browse**. Browse to: Thunderbolt Update Tool folder you unzipped > bin folder > the folder for your device. Double-click the .bin file, then **click Next**.



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

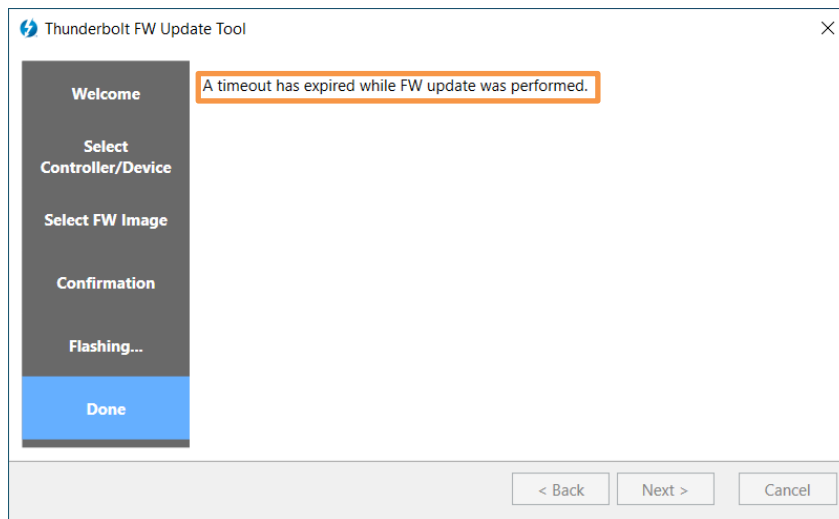
NOTE: If the **Current NVM Version** and **File NVM Version** are the same, the firmware doesn't need to be updated.



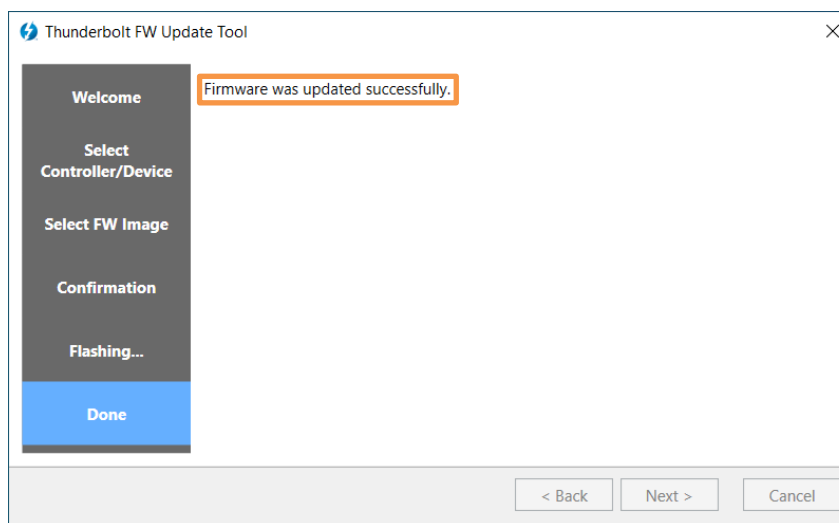
6. Click the **Start Thunderbolt™ firmware update** button to start the update.
7. A progress bar will display during the update.

NOTE

If you don't have a Thunderbolt device attached when running the firmware update, you will get a timeout message-see below. Please connect a Thunderbolt or USB Type C device and run through steps 1 – 7 again.



8. After the firmware has been successfully updated:
 - a. Close the application
 - b. Shutdown the system
 - c. Unplug the power adapter from the system
 - d. Disconnect any Thunderbolt or Type C device
 - e. Wait 20-30 seconds
 - f. Plug the power adapter back in, restart.



Optional: To check that the firmware updated successfully:

1. Run the update tool until the **Confirmation** page.
2. Check the **Current NVM Version**.

Example:

