

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:

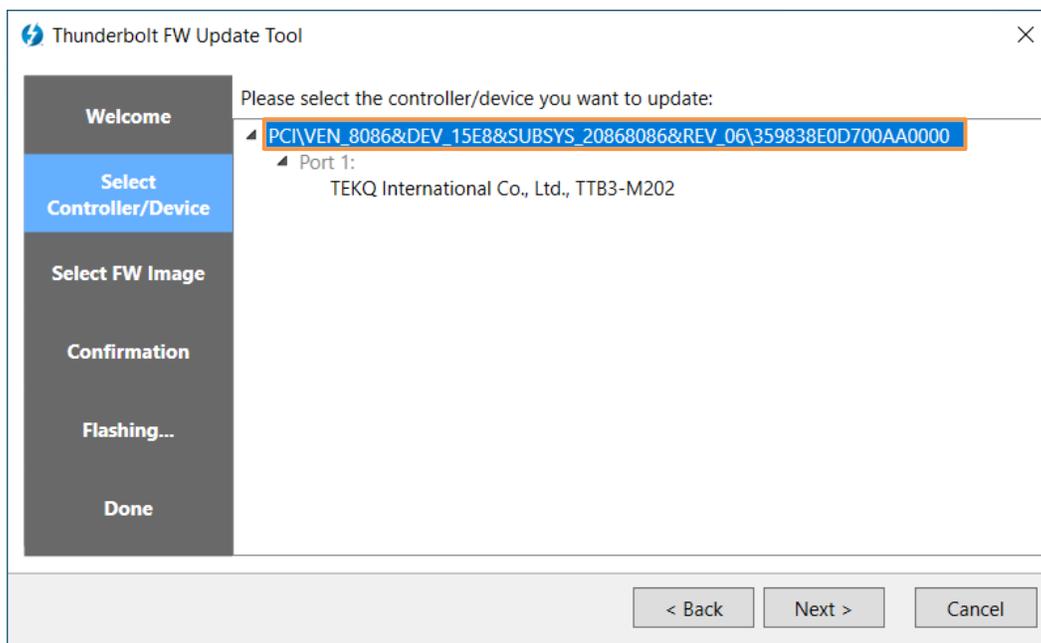
- Operating system must be Windows® 10 version 1809 or later
- Ensure you have the latest [Thunderbolt Driver](#) installed
- Download the latest [Thunderbolt 3 Firmware Update package](#). Unzip the firmware package on the Intel NUC 9 Extreme Laptop Kit you plan to update
- This update will NOT work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

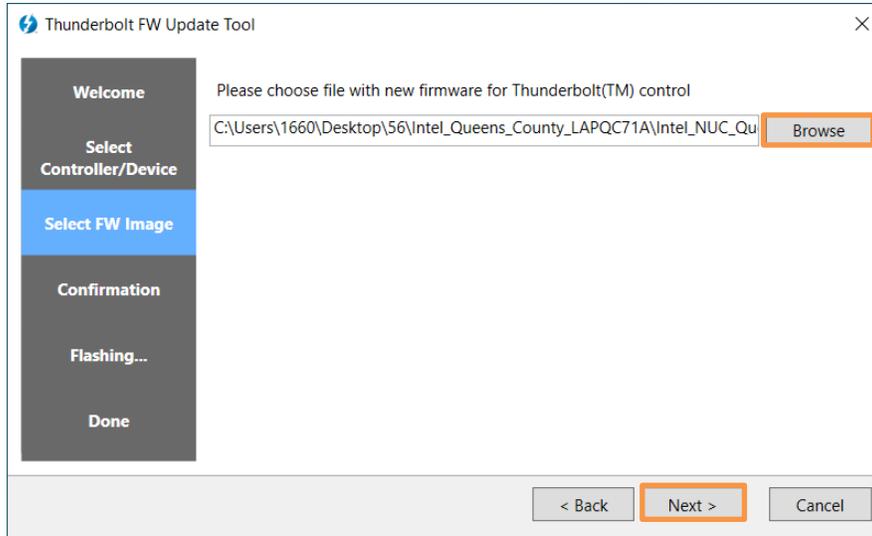
1. Unzip the Thunderbolt Firmware Update tool and double-click **FwUpdateTool.exe** to start the update process.

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**.

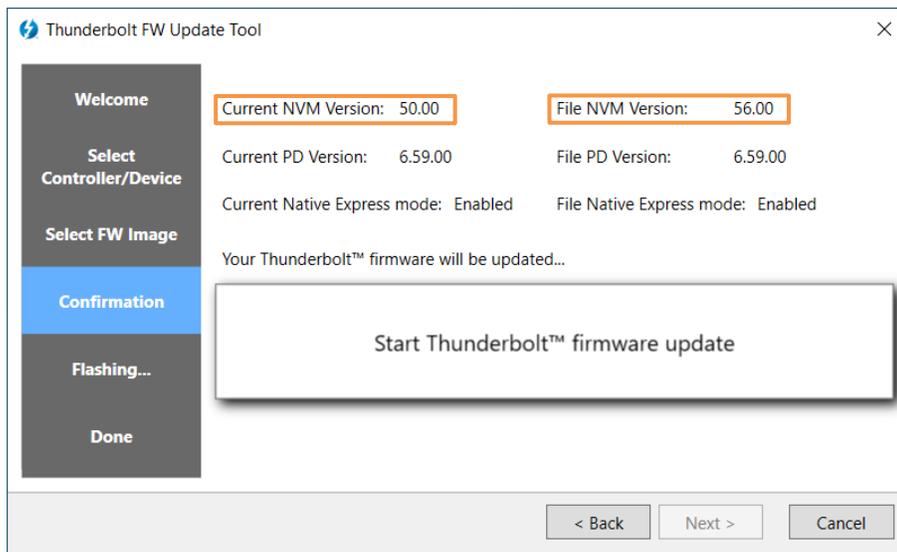


4. Select FW Image: **Click Browse**. Browse to: Thunderbolt Update Tool folder you unzipped > bin folder > the folder for your device. Double-click the .bin file, then **click Next**.



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

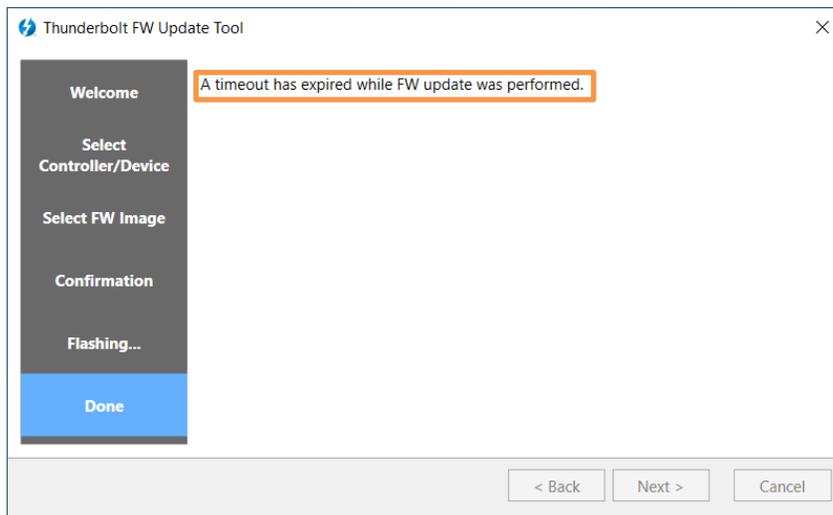
NOTE: If the **Current NVM Version** and **File NVM Version** are the same, the firmware doesn't need to be updated.



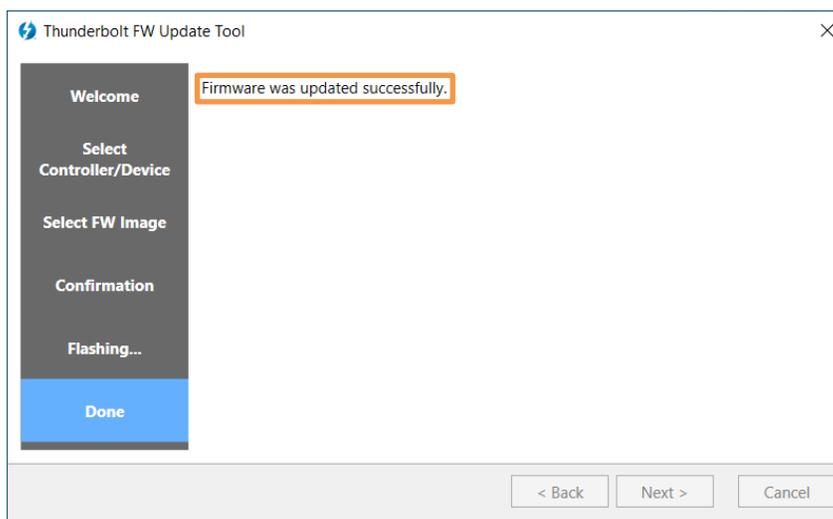
6. Click the **Start Thunderbolt™ firmware update** button to start the update.
7. A progress bar will display during the update.

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:

