DisplayPort Expansion Card Power Saving Firmware Update

This guide allows owners of 1st Generation DisplayPort Expansion Cards to update to the 2nd Generation Firmware.

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INTRODUCTION

This guide allows owners of 1st Generation DisplayPort Expansion Cards to update to the 2nd Generation Firmware.

After over a year of prototyping and experiments, we've been able to come up with a way to reduce system power consumption when a DisplayPort Expansion Card is present, by making the card pretend that it is not a display output when there is no monitor connected.

The tools provided by our vendor for this update process are Windows only.
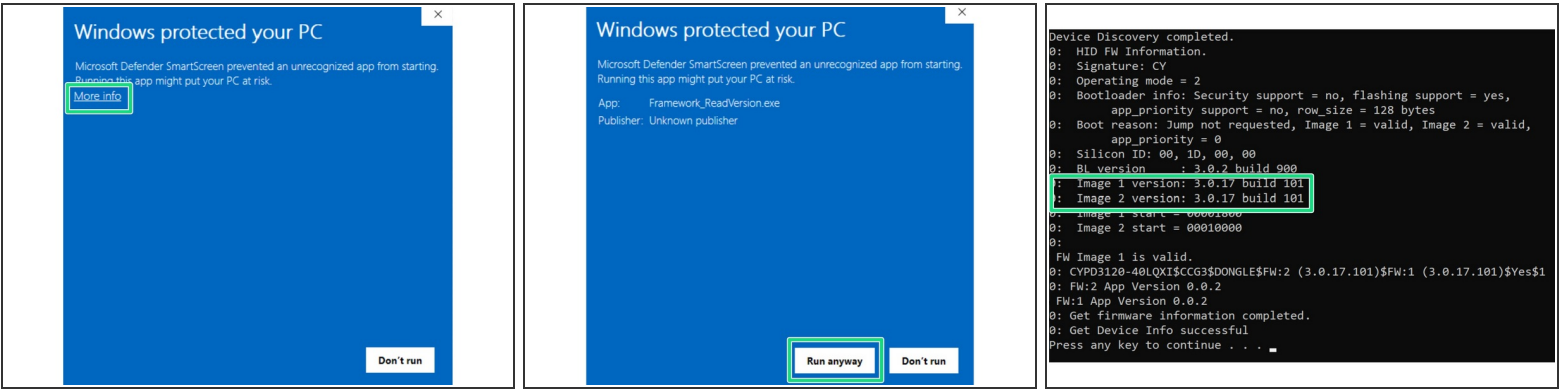
Step 1 — Download Executables

- First you will need to download the Windows Executables from <u>here</u> and unzip them.

- There should be two files Framework_ReadVersion.exe and Framework_DP_Card_3.0.17.101.exe
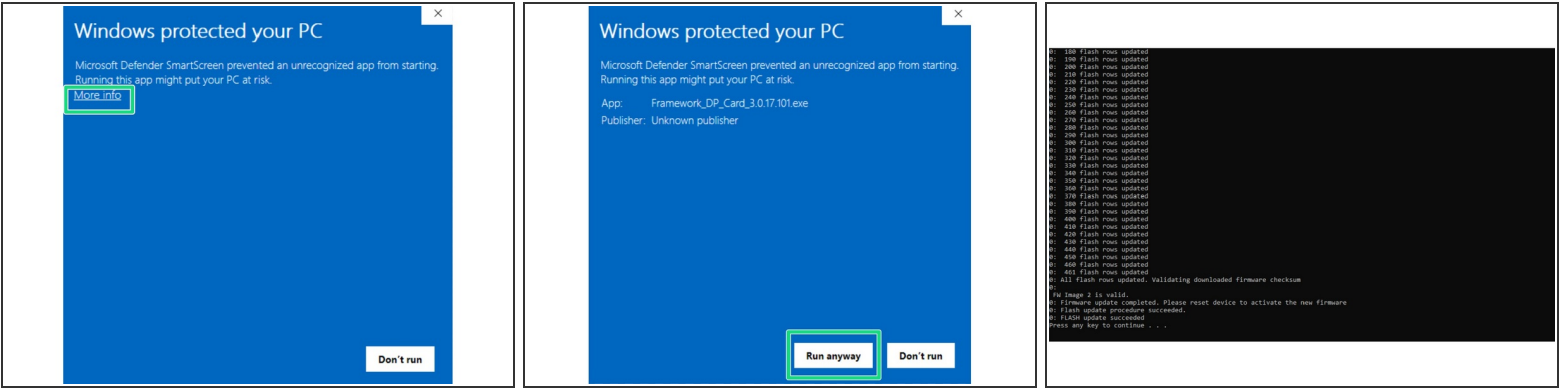
Step 2 — Plug in your DisplayPort Expansion Card

- In order to run the updater the Expansion Card must be installed in your Framework Laptop
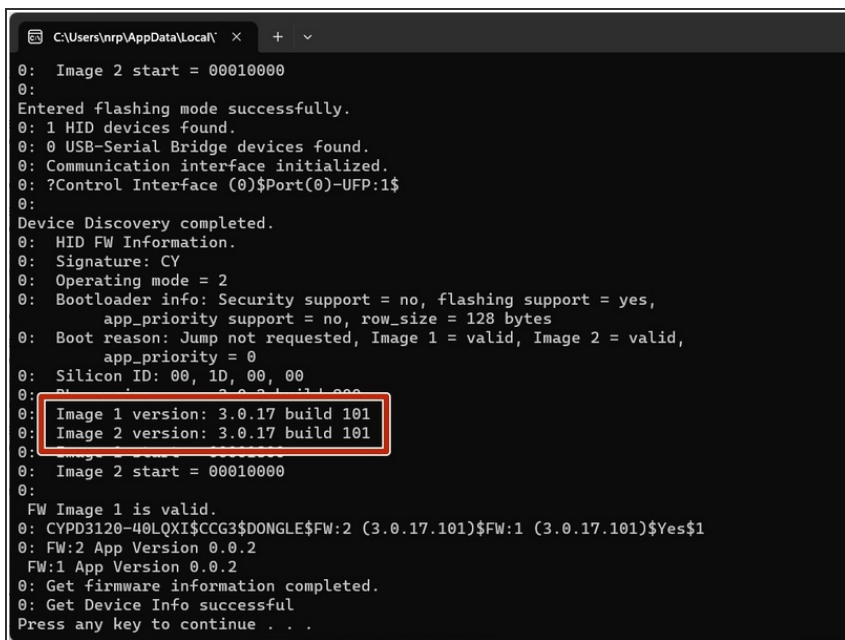
Step 3 — Check the current Firmware

- Run **Framework_ReadVersion.exe** to check that is not already on the 101 firmware.

⚠ When trying to run the executable you will likely be prompted by Windows Defender. Simply click **More Info** and then **Run Anyway**.

- Once this runs you can check the **Image 1 Version** and **Image 2 Version**. In this image the build version is 101.

Step 4 — Run the Update executable

- Run **Framework_DP_Card_3.0.17.101.exe**

⚠ When trying to run the executable you will likely be prompted by Windows Defender. Simply click **More Info** and then **Run Anyway**.

- The Flash process will be started automatically.

- Hit any key after it tells you to.

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Step 5 — Check Firmware version after Update

- Run **Framework_ReadVersion.exe** again to confirm that both flash regions state 101.