

Knowledge Base Article

How to update the VBIOS on the NVIDIA M2200 Quadro GPU

Summary

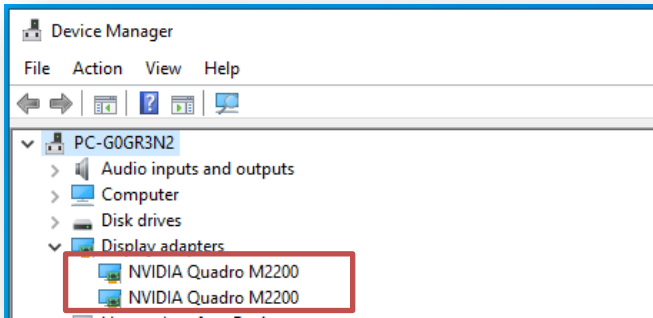
This KBA describes how to update the VBIOS on the NVIDIA Quadro M2200 GPU from NVIDIA used in the following products: CoreStation WM640, DXM630, DXP4 (also used in WR3930) and in the unreleased product, CoreStation WFC640.

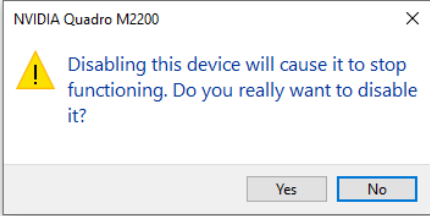
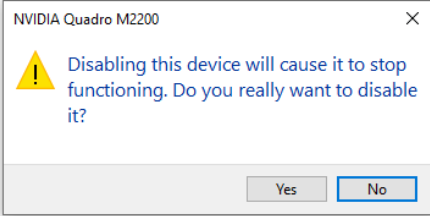
Before you begin

Step	Action
1	Obtain the executable file for the NVIDIA firmware update tool and make sure it is available on the host machine.

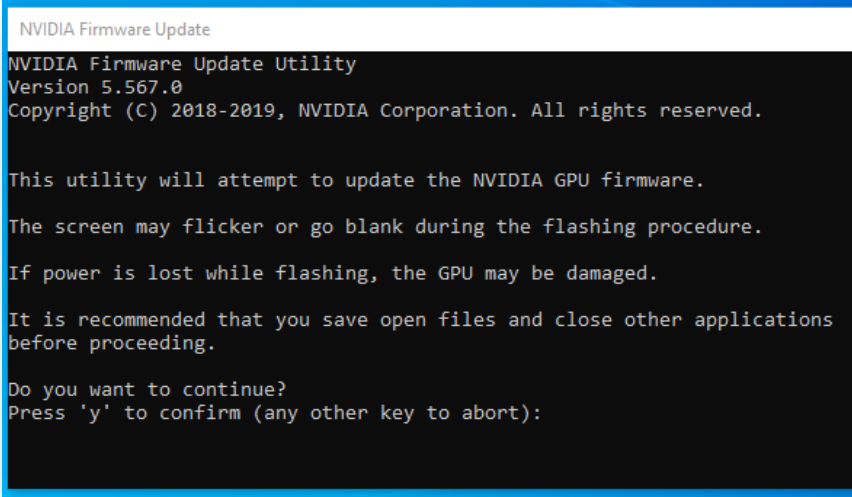
Disable the display adapter(s)

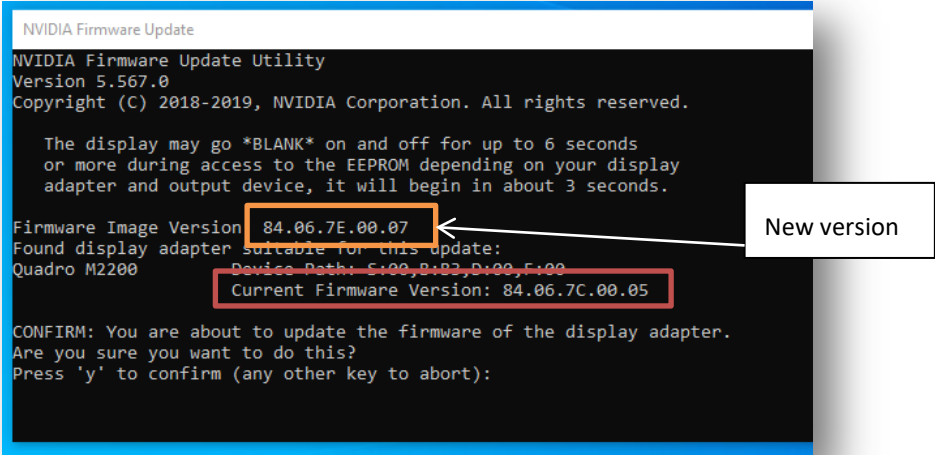
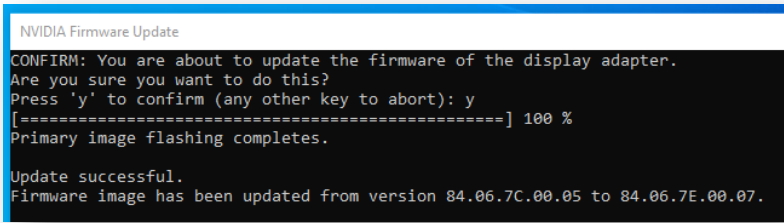
Note: For Quad-video head displays with one GPU, disable one display adapter. For Octal-video displays with two GPUs, you must disable two display adapters.

Step	Action
1	<p>Open the Device Manager and expand the icon for Display.</p> <p><i>For Quad displays, the list shows one instance of NVIDIA Quadro M2200.</i></p> <p><i>For Octal displays, the list shows two instances of NVIDIA Quadro M2200.</i></p> 

2	<p>Right-click on the instance of NVIDIA Quadro M2200 and select Disable Device.</p> <p><i>A warning displays.</i></p> 
3	<p>Click Yes.</p>
4	<p>For octal displays only, right-click on the second instance of NVIDIA Quadro M2200 and select Disable Device.</p> <p><i>A warning displays</i></p> 
5	<p>Click Yes.</p> <p><i>Only one head of video (from the onboard video) displays.</i></p>

Run the NVIDIA firmware update tool

Step	Action
1	Locate the NVIDIA firmware update tool executable file on the host machine.
2	Right-click on the file and select Run as Administrator . <i>A warning asks if you are sure.</i>
3	Select 'Yes' . <i>The NVIDIA Firmware Update screen appears and shows a warning message.</i> 

<p>4</p>	<p>Confirm that you wish to proceed. Press 'y'.</p> <p><i>A notification displays the current VBIOS version and the new version that will overwrite the current version.</i></p> 
<p>5</p>	<p>Confirm that the firmware to be loaded is the correct version. If it is, enter 'y'.</p> <p><i>The firmware update begins and when it is completed, a message reports the new firmware value.</i></p> 
<p>6</p>	<p>For Quad displays (Installations with one NVIDIA M2200 GPU)</p> <p><i>The firmware update begins and when it is completed, a message reports the new firmware value and to restart the machine.</i></p> <p>For Octal displays (Installations with two NVIDIA M2200 GPUs):</p> <p>The firmware update tool will ask for confirmation to run again. Confirm that the firmware is correct and enter 'y'.</p> <p><i>The firmware update begins and when it is completed, a message reports the new firmware value and to restart the machine.</i></p>
<p>8</p>	<p>Restart the host to complete the VBIOS firmware update.</p>

Troubleshooting

Note: If the host stops responding after disabling the display adapters and running the firmware update tool – it may be necessary to reboot the host.

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