



# 3ds Max

## Autodesk® 3ds Max® 2023

### Graphics Hardware Certification

#### Microsoft® Windows® Platform

Last updated: September 20<sup>th</sup> 2022.

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#### Readme First

The information contained in the Readme First document applies to all hardware Certifications executed on the Autodesk® Media and Entertainment 2023 software product releases and should be acknowledged by all users prior to consulting the Certification charts.



## Important Notes

The following describes important notes related to the graphics hardware certification for the for the Autodesk 3ds Max 2023 product release.





- Certification of graphics cards was done using Nitrous Direct3D® mode
- OpenGL® has not been Certified and therefore you may encounter issues that have not been listed in this document
- Nitrous Direct3D® 11 was used for Windows 10 and Windows 11. Nitrous Direct3D 9 has not been tested
- Certification is being performed on both single and dual screen configurations at resolution of 1920x1200 (60Hz each).
- If you are experiencing additional display issues, not listed in this document, please search our Knowledge Base or contact customer support (<http://www.autodesk.com/3dsmax-support>).
- You can find certification results for prior releases of Autodesk 3ds Max product at the [3ds Max Certified Hardware link](#).















### Disclaimer:

- Not all Caveats in the tables below are driver problems. Some may be 3ds Max software limitations, or inherent limitations due to the API version used by certain graphics cards. Caveats meeting this criterion will be marked as such in the Caveats table at the bottom of this document.
- Autodesk certification testing focuses on workstation-grade hardware, as identified by the hardware vendor. Testing and designation as Certified does not guarantee that a particular device is workstation-grade or that it will meet a user's particular needs. Test results are valid only for the tested combination of hardware and driver. Certified status does not guarantee that the hardware will perform acceptably with other drivers.
- Cards labelled as certified are fully supported by graphics cards vendors for use with Autodesk applications. Other cards labelled as tested, while they may not have reported any errors during our certification tests, do not have the same level of vendor support in the case of specific graphics fidelity and instability

## Professional Graphics Cards

The following table provides the professional graphics cards and driver versions for the Certification of Autodesk 3Ds Max 2023. Click on the Caveat icon to be redirect to the specific caveats related to your Graphics Card.













	<b>Certified</b>
	<b>Certification failed due to serious problems</b>
	<b>Caveats</b>
	<b>Pending...</b>



Professional Graphics Cards & Driver Certification for Autodesk 3ds Max 2023 for Microsoft Windows			
Graphics Cards	Driver	Win 10 – Win 11	Caveats
<b>NVIDIA® - Desktop</b>			
<b>NVIDIA RTX A6000</b>	<b>512.78</b>		
<b>NVIDIA RTX A5500</b>	<b>512.78</b>		
<b>NVIDIA RTX A5000</b>	<b>512.78</b>		
<b>NVIDIA RTX A4500</b>	<b>512.78</b>		
<b>NVIDIA RTX A4000</b>	<b>512.78</b>		
<b>NVIDIA A2000 12GB</b>	<b>512.78</b>		
<b>NVIDIA A2000 6GB</b>	<b>512.78</b>		
<b>Quadro RTX 8000</b>	<b>512.78</b>		
<b>Quadro RTX 6000</b>	<b>512.78</b>		
<b>Quadro RTX 5000</b>	<b>512.78</b>		
<b>Quadro RTX 4000</b>	<b>512.78</b>		
<b>NVIDIA T1000 8GB</b>	<b>512.78</b>		
<b>NVIDIA T1000</b>	<b>512.78</b>		
<b>NVIDIA T600</b>	<b>512.78</b>		

Professional Graphics Cards & Driver Certification for Autodesk 3ds Max 2023 for Microsoft Windows			
<b>NVIDIA T400 4GB</b>	<b>512.78</b>	<b>✓</b>	
<b>NVIDIA T400</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro GP100</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P6000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P5000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P4000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P2200</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P2000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P1000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P620</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P600</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P400</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro M6000 24GB</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro M6000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro M5000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro M4000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro M2000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro K2200</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro K1200</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro K620</b>	<b>512.78</b>	<b>✓</b>	
<b>NVIDIA® - Laptop/Notebook</b>			
<b>NVIDIA RTX A5500 Laptop GPU</b>	<b>512.78</b>	<b>✓</b>	
<b>NVIDIA RTX A5000 Laptop GPU</b>	<b>512.78</b>	<b>✓</b>	
<b>NVIDIA RTX A4500 Laptop GPU</b>	<b>512.78</b>	<b>✓</b>	
<b>NVIDIA RTX A4000 Laptop GPU</b>	<b>512.78</b>	<b>✓</b>	

Professional Graphics Cards & Driver Certification for Autodesk 3ds Max 2023 for Microsoft Windows			
<b>NVIDIA RTX A3000 12 GB Laptop GPU</b>	<b>512.78</b>	<b>✓</b>	
<b>NVIDIA RTX A3000 Laptop GPU</b>	<b>512.78</b>	<b>✓</b>	
<b>NVIDIA RTX A2000 8GB Laptop GPU</b>	<b>512.78</b>	<b>✓</b>	
<b>NVIDIA RTX A2000 Laptop GPU</b>	<b>512.78</b>	<b>✓</b>	
<b>NVIDIA RTX A1000 Laptop GPU</b>	<b>512.78</b>	<b>✓</b>	
<b>NVIDIA RTX A500 Laptop GPU</b>	<b>512.78</b>	<b>✓</b>	
<b>NVIDIA T1200 Laptop GPU</b>	<b>512.78</b>	<b>✓</b>	
<b>NVIDIA T600 Laptop GPU</b>	<b>512.78</b>	<b>✓</b>	
<b>NVIDIA T550 Laptop GPU</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro RTX 6000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro RTX 5000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro RTX 4000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro RTX 3000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro T2000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro T1000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P5200</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P5000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P4200</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P4000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P3200</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P3000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P2000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P10000</b>	<b>512.78</b>	<b>✓</b>	
<b>Quadro P620</b>	<b>512.78</b>	<b>✓</b>	

Professional Graphics Cards & Driver Certification for Autodesk 3ds Max 2023 for Microsoft Windows			
Quadro P600	512.78	✓	
Quadro P520	512.78	✓	
Quadro P500	512.78	✓	
Quadro M5500	512.78	✓	
Quadro M5000M	512.78	✓	
Quadro M4000M	512.78	✓	
Quadro M3000M	512.78	✓	
Quadro M2000M	512.78	✓	
Quadro M1000M	512.78	✓	
Quadro M600M	512.78	✓	
Quadro M500M	512.78	✓	
Quadro M2200	512.78	✓	
Quadro M1200	512.78	✓	
Quadro M620	512.78	✓	
Quadro M520	512.78	✓	
<b>AMD™</b>			
Radeon Pro VII	22.Q2	✓	
Radeon PRO W6800	22.Q2	✓	
Radeon PRO W6600	22.Q2	✓	
Radeon Pro W6400	22.Q2	✓	
Radeon Pro W5700	22.Q2	✓	
Radeon Pro W5500	22.Q2	✓	
Radeon Pro WX 9100	⌚	⌚	N/A
Radeon Pro WX 8200	⌚	⌚	N/A
Radeon Pro WX 7100	⌚	⌚	N/A

Professional Graphics Cards & Driver Certification for Autodesk 3ds Max 2023 for Microsoft Windows			
<b>Radeon Pro WX 5100</b>			<b>N/A</b>
<b>Radeon Pro WX 4100</b>			<b>N/A</b>
<b>Radeon Pro WX 3200</b>			<b>N/A</b>
<b>Radeon Pro WX 3100</b>			<b>N/A</b>
<b>Radeon Pro WX 2100</b>			<b>N/A</b>
<b>Radeon Pro SSG</b>			<b>N/A</b>

Intel®			
<b>Intel(R) Arc(TM) Pro A40/A50</b>	<b>30.0.101.1729</b>		<b>N/A</b>
<b>Intel(R) Arc(TM) Pro A30M</b>	<b>30.0.101.1729</b>		<b>N/A</b>

## Professional Graphics Cards Caveats & Limitations

The following table provides a description of professional NVIDIA graphics cards caveats and limitations.

NVIDIA Professional Graphics Cards Caveats & Limitations				
Autodesk 3ds Max 2023 for Microsoft Windows				
Graphics Cards	Driver	OS	Caveat / Limitation	Workaround

The following table provides a description of professional AMD graphics cards caveats and limitations.

AMD Professional Graphics Cards Caveats & Limitations				
Autodesk 3ds Max 2023 for Microsoft Windows				
Graphics Cards	Driver	OS	Caveat / Limitation	Workaround

The following table provides a description of professional Intel graphics cards caveats and limitations.

Intel Professional Graphics Cards Caveats & Limitations				
Autodesk 3ds Max 2023 for Microsoft Windows				
Graphics Cards	Driver	OS	Caveat / Limitation	Workaround



## Consumer Graphics Cards

The following table provides a list of tested NVIDIA GeForce® and AMD Radeon™ consumer graphics cards and driver versions for Autodesk 3Ds Max 2023. Click on the Caveat icon to be redirected to the specific caveats related to your Graphics Card.

**Important:** Although Autodesk tested the NVIDIA GeForce and AMD Radeon consumer graphics cards, it is Autodesk, NVIDIA, and AMD policy to only recommend and support the professional NVIDIA Quadro and AMD FirePro graphics family cards. See the NVIDIA Quadro vs. GeForce GPUs White Paper [[PDF](#)].

If you have any questions, please contact:

NVIDIA: [NVIDIAAutodeskhelp@nvidia.com](mailto:NVIDIAAutodeskhelp@nvidia.com)

AMD/ATI: <http://emailcustomercare.amd.com>



**Tested**



**Testing failed due to serious problems**



























































**Caveats**















**Pending...**

Consumer Graphics Card & Driver Testing for Autodesk 3ds Max 2023 for Microsoft Windows			
Graphics Cards	Driver	Windows 10	Caveats
<b>NVIDIA</b>			
<b>GeForce GTX 960</b>			<b>N/A</b>
<b>GeForce GTX 970</b>			<b>N/A</b>
<b>GeForce GTX 980</b>			<b>N/A</b>
<b>GeForce GTX 980 Ti</b>			<b>N/A</b>
<b>GeForce GTX 1050</b>			<b>N/A</b>

Consumer Graphics Card & Driver Testing for Autodesk 3ds Max 2023 for Microsoft Windows			
<b>GeForce GTX 1050 Ti</b>			<b>N/A</b>
<b>GeForce GTX 1060</b>			<b>N/A</b>
<b>GeForce GTX 1070</b>			<b>N/A</b>
<b>GeForce GTX 1070 Ti</b>			<b>N/A</b>
<b>GeForce GTX 1080</b>			<b>N/A</b>
<b>GeForce GTX 1080 Ti</b>			<b>N/A</b>
<b>GeForce GTX 1650</b>			<b>N/A</b>
<b>GeForce GTX 1650 SUPER</b>			<b>N/A</b>
<b>GeForce GTX 1660</b>			<b>N/A</b>
<b>GeForce GTX 1660 Ti</b>			<b>N/A</b>
<b>GeForce GTX 1660 SUPER</b>			<b>N/A</b>
<b>GeForce RTX2060</b>			<b>N/A</b>
<b>GeForce RTX2060 SUPER</b>			<b>N/A</b>
<b>GeForce RTX 2070</b>			<b>N/A</b>

Consumer Graphics Card & Driver Testing for Autodesk 3ds Max 2023 for Microsoft Windows			
GeForce RTX 2070 SUPER			N/A
GeForce RTX 2080			N/A
GeForce RTX 2080 Ti			N/A
GeForce RTX 2080 SUPER			N/A
GeForce RTX 3060			N/A
GeForce RTX 3060 Ti			N/A
GeForce RTX 3070			N/A
GeForce RTX 3080			N/A
GeForce RTX 3090			N/A
GeForce GTX TITAN V			N/A
GeForce GTX TITAN X			N/A
GeForce GTX TITAN XP			N/A
GeForce GTX TITAN Z			N/A
GeForce TITAN RTX			N/A
<b>AMD</b>			

Consumer Graphics Card & Driver Testing for Autodesk 3ds Max 2023 for Microsoft Windows			
<b>Radeon HD 7770</b>			<b>N/A</b>
<b>Radeon HD 7870</b>			<b>N/A</b>
<b>Radeon HD 7970</b>			<b>N/A</b>
<b>Radeon R7 260x</b>			<b>N/A</b>
<b>Radeon R9 280x</b>			<b>N/A</b>
<b>Radeon R9 290x</b>			<b>N/A</b>

## Consumer Graphics Cards Caveats & Limitations

The following table provides a description of professional NVIDIA graphics cards caveats and limitations.

NVIDIA Consumer Graphics Cards Caveats & Limitations				
Autodesk 3ds Max 2023 for Microsoft Windows				
Graphics Cards	Driver	OS	Caveat / Limitation	Workaround

The following table provides a description of professional AMD graphics cards caveats and limitations.

AMD Consumer Graphics Cards Caveats & Limitations				
Autodesk 3ds Max 2023 for Microsoft Windows				
Graphics Cards	Driver	OS	Caveat / Limitation	Workaround

## **Operating System Dependent & Miscellaneous Issues**

Autodesk 3ds Max 2023 is not certified, supported nor tested on Microsoft Windows 7. While the product should work, compatibility between the product, the operating system and the drivers aren't guaranteed.

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