



# AUTODESK® 3DS MAX® 2021

## Autodesk® 3ds Max® 2021

### Graphics Hardware Certification

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#### Microsoft® Windows® Platform

Last updated: October 18<sup>th</sup> 2021.

#### **Readme First**

The information contained in the Readme First document applies to all hardware Certifications executed on the Autodesk® Media and Entertainment 2021 software product releases and should be acknowledged by all users prior to consulting the Certification charts.

#### **What's New**

You can now find all AMD™ certified and supported graphics cards with 3ds Max 2021.

- Contents
- Readme First
- What's New
- Important Notes
- Professional Graphics Cards
- Professional Graphics Cards  
Caveats & Limitations
- Consumer Graphics Cards
- Consumer Graphics Cards  
Caveats & Limitations
- Operating System Dependent  
& Miscellaneous Issues



## Important Notes

The following describes important notes related to the graphics hardware certification for the for the Autodesk 3ds Max 2021 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. 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](#).
- To report problems directly to the Hardware Certification group, use the [Report a Problem](#) form.

### 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 2021. Click on the Caveat icon to be redirect to the specific caveats related to your Graphics Card.

	Certified
	Certification failed due to serious problems
	Caveats
	Pending...

Professional Graphics Cards & Driver Certification for Autodesk 3ds Max 2021 for Microsoft Windows			
Graphics Cards	Driver	Windows 10	Caveats
<b>NVIDIA®</b>			
NVIDIA RTX A6000	471.68	✓	
NVIDIA RTX A5000	471.68	✓	
NVIDIA RTX A4000	471.68	✓	
NVIDIA A2000	471.68	✓	
Quadro RTX 8000	471.68	✓	
Quadro RTX 6000	471.68	✓	
Quadro RTX 5000	471.68	✓	
Quadro RTX 4000	471.68	✓	
NVIDIA T1000	471.68	✓	
NVIDIA T600	471.68	✓	
NVIDIA T400	471.68	✓	
Quadro GV100	471.68	✓	
Quadro GP100	471.68	✓	

Professional Graphics Cards & Driver Certification for Autodesk 3ds Max 2021 for Microsoft Windows			
Quadro P6000	471.68	✓	
Quadro P5000	471.68	✓	
Quadro P4000	471.68	✓	
Quadro P2200	471.68	✓	
Quadro P2000	471.68	✓	
Quadro P1000	471.68	✓	
Quadro P620	471.68	✓	
Quadro P600	471.68	✓	
Quadro P400	471.68	✓	
Quadro M6000 24GB	471.68	✓	
Quadro M6000	471.68	✓	
Quadro M5000	471.68	✓	
Quadro M4000	471.68	✓	
Quadro M2000	471.68	✓	
Quadro K2200	471.68	✓	
Quadro K6000	471.68	✓	
Quadro K5200	471.68	✓	
Quadro K5000	471.68	✓	
Quadro K4000	471.68	✓	
Quadro K4200	471.68	✓	
Quadro K2200	471.68	✓	
Quadro K2000	471.68	✓	
Quadro K1200	471.68	✓	
Quadro K620	471.68	✓	
Quadro K600	471.68	✓	
Quadro K420	471.68	✓	

Professional Graphics Cards & Driver Certification for Autodesk 3ds Max 2021 for Microsoft Windows			
NVIDIA® - Laptop/Notebook			
NVIDIA RTX A5000 Laptop GPU	471.68	✓	
NVIDIA RTX A4000 Laptop GPU	471.68	✓	
NVIDIA RTX A3000 Laptop GPU	471.68	✓	
NVIDIA RTX A2000 Laptop GPU	471.68	✓	
NVIDIA T1200 Laptop GPU	471.68	✓	
Quadro RTX 6000	471.68	✓	
Quadro RTX 5000	471.68	✓	
Quadro RTX 4000	471.68	✓	
Quadro RTX 3000	471.68	✓	
Quadro T2000	471.68	✓	
Quadro T1000	471.68	✓	
NVIDIA T600	471.68	✓	
NVIDIA T500	471.68	✓	
Quadro P5200	471.68	✓	
Quadro P4200	471.68	✓	
Quadro M5000M	471.68	✓	
Quadro M4000M	471.68	✓	
AMD™			
Radeon Pro™ VII	21.Q1	✓	N/A
FirePro W5500	20.Q2.1	✓	N/A
FirePro W5700	21.Q1	✓	N/A
Radeon Pro WX 9100	21.Q1	✓	N/A
Radeon Pro WX 7100	21.Q1	✓	N/A
Radeon Pro WX 5100	21.Q1	✓	N/A
Radeon Pro WX 4100	21.Q1	✓	N/A

Professional Graphics Cards & Driver Certification for Autodesk 3ds Max 2021 for Microsoft Windows			
Radeon Pro WX 3100	20.Q2.1	✓	N/A
Radeon Pro WX 2100	21.Q1	✓	N/A
Radeon Pro SSG	21.Q1	✓	N/A
Radeon Pro™ WX 8200	21.Q1	✓	N/A
Radeon Pro™ WX 3200	21.Q1	✓	N/A
<b>Intel®</b>			
UHD Graphics P630			N/A

## 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 2021 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 2021 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 2021 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 2021. 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 2021 for Microsoft Windows			
Graphics Cards	Driver	Windows 10	Caveats
<b>NVIDIA</b>			
GeForce GTX 960	430.86	★	N/A
GeForce GTX 970	430.86	★	N/A
GeForce GTX 980	430.86	★	N/A
GeForce GTX 980 Ti	430.86	★	N/A
GeForce GTX 1050	461.72	★	N/A
GeForce GTX 1050 Ti	461.72	★	N/A
GeForce GTX 1060	461.72	★	N/A
GeForce GTX 1070	461.72	★	N/A
GeForce GTX 1070 Ti	461.72	★	N/A
GeForce GTX 1080	461.72	★	N/A



Consumer Graphics Card & Driver Testing for Autodesk 3ds Max 2021 for Microsoft Windows			
GeForce GTX 1080 Ti	461.72	★	N/A
GeForce GTX 1650	461.72	★	N/A
GeForce GTX 1650 SUPER	461.72	★	N/A
GeForce GTX 1660	461.72	★	N/A
GeForce GTX 1660 Ti	461.72	★	N/A
GeForce GTX 1660 SUPER	461.72	★	N/A
GeForce RTX2060	461.72	★	N/A
GeForce RTX2060 SUPER	461.72	★	N/A
GeForce RTX 2070	461.72	★	N/A
GeForce RTX 2070 SUPER	461.72	★	N/A
GeForce RTX 2080	461.72	★	N/A
GeForce RTX 2080 Ti	461.72	★	N/A
GeForce RTX 2080 SUPER	461.72	★	N/A
GeForce RTX 3060	461.72	★	N/A
GeForce RTX 3060 Ti	461.72	★	N/A
GeForce RTX 3070	461.72	★	N/A
GeForce RTX 3080	461.72	★	N/A
GeForce RTX 3090	461.72	★	N/A
GeForce GTX TITAN V	461.72	★	N/A
GeForce GTX TITAN X	461.72	★	N/A
GeForce GTX TITAN XP	461.72	★	N/A
GeForce GTX TITAN Z	430.86	★	N/A
GeForce TITAN RTX	461.72	★	N/A
AMD			
Radeon HD 7770	19.Q3	★	N/A
Radeon HD 7870	19.Q3	★	N/A
Radeon HD 7970	19.Q3	★	N/A

Consumer Graphics Card & Driver Testing for Autodesk 3ds Max 2021 for Microsoft Windows			
Radeon R7 260x	19.Q3	★	N/A
Radeon R9 280x	19.Q3	★	N/A
Radeon R9 290x	19.Q3	★	N/A

## 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 2021 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 2021 for Microsoft Windows				
Graphics Cards	Driver	OS	Caveat / Limitation	Workaround

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

Autodesk 3ds Max 2021 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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