

Graphical Display: Graphics Card Requirements and Cards Tested Release 2021 R1

Minimum Graphics Requirements

Ansys Products (other than Discovery, Speos, and VRXPerience), Windows Platforms: Discrete graphics card with the latest drivers and compatible with the supported operating systems. For full functionality, use of a recent NVIDIA Quadro or AMD Radeon Pro card with at least 1 GB of discrete video memory and supporting, at a minimum, OpenGL version 4.5, DirectX 11, Shader Model 5.0.

Ansys Products, Linux Platfoms: Discrete graphics card with the latest drivers and compatible with the supported operating systems. For full functionality, use of a recent NVIDIA Quadro or AMD Radeon Pro card with at least 1 GB of discrete video memory and supporting, at a minimum, OpenGL version 4.5

Discovery: NVIDIA Discrete graphics card (Quadro recommended) with the latest drivers. Kepler-, Maxwell-, Pascal-, Volta, or Turing-based cards are recommended (Maxwell 2000 or better). At least 4 GB of discrete video memory (8 GB recommended). OpenGL version 4.6 or above. AMD Radeon Pro cards are supported with limited product functionality; specifically, the "Explore" stage of Discovery is not accessible.

Speos: NVIDIA discrete graphics cards with the latest certified drivers (listed in the technical documentation), compatible with the supported operating systems and supporting, at a minimum, OpenGL version 2.1, OpenCL version 1.2, Shader Model 1.4 and CUDA version 2.3.

Speos for NX and Speos for Creo Parametric: AMD or NVIDIA discrete graphics cards with the latest certified drivers (listed in the technical documentation), compatible with the supported operating systems and supporting, at a minimum, OpenGL version 2.1, OpenCL version 1.2, Shader Model 1.4 and CUDA version 2.3.

VRXPerience: NVIDIA discrete graphics cards with the latest certified drivers (listed in the technical documentation), compatible with the supported operating systems and supporting, at a minimum, OpenGL version 2.1, OpenCL version 2.1. A Quadro P5200, P6000 or similar specification card is recommended for minimal accepatable perfomance.

GPGPU: Some ANSYS products support problem solving on the graphics processor (GPGPU capability). The additional graphics card requirements for GPGPU are included in the GPU Accelerator Capibilities document at ansys.com> Support> Platform Support.

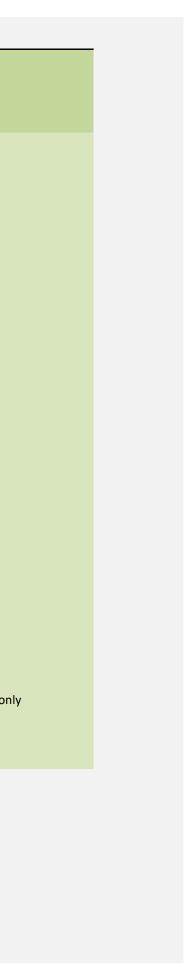
Cards Tested

The graphics cards listed below have been tested successfully with these Ansys' applications and products: Ansys Workbench/Mechanical, Autodyn, CFX, Chemikn, DesignXplorer, Discovery, Electronics suite (Designer Workflow, HFSS, Maxwell, Q3D Extractor, and Slwave), Enerigo, EnSight, FENSAP-ICE, Fluent/Fluent-Meshing, Forte, IC Engine workflow, ICEM CFD, Icepak, Mechanical APDL, Meshing, optiSLang, Polyflow, SpaceClaim, SpaceClaim Meshing, Speos, Speos for NX, Speos for Creo Parametric, SpaceClaim, System Coupling, TurboGrid, and TwinBuilder. Cards tested with VRXPerience are available on request from Technical Support.

Notes	Tested OS	Tested Platform	Card Version	Product Series	Manufacturer
	Windows 10	Windows x64	W5500	Radeon Pro	AMD
	CentOS 8.1	Linux x64			
	Windows 10	Windows x64	W5700		
	Windows 10	Windows x64	WX2100		
	RHEL 7.8	Linux x64	WX3200		
	Windows Server 2019	Windows x64	WX4100		
	RHEL 7.8	Linux x64	WX5100		
	CentOS 7.6	Linux x64	WX7100		
	SLES 15.1				
	Windows 10	Windows x64	WX8200		
	Windows 10	Windows x64	WX9100		
Tested with Speos for NX o	Windows 10	Windows x64	Vega 56		
Requires specific non-unified d installation	Windows 10	Windows x64	VII		

only driver for

Manufacturer Produst Serie	es Card Version	Tested Platform	Tested OS	Notes
NVIDIA Quardo GV	GV100	Windows x64	Windows 10	
		Linux x64	SLES 15.1	
			CentOS 7.7	
Quadro P	P520 (mobile)	Windows x64	Windows 10	
	P600	Windows x64	Windows 10	
		Linux x64	CentOS 8.1	
	P620 (mobile)	Windows x64	Windows 10	
	P620	Windows x64	Windows 10	
		Linux x64	CentOS 7.6	
	P1000	Windows x64	Windows 10	
	P1000 (mobile)	Windows x64	Windows 10	
	P2000	Windows x64	Windows 10	
		Linux x64	RHEL 7.8	
		-	SLES 12.5	
	P2200	Windows x64	Windows 10	
		Linux x64	RHEL 7.8	
		-	CentOS 7.8	
	P3200 (mobile)	Windows x64	Windows 10	
	P4000	Windows x64	Windows 10	
		Linux x64	SLES 12.3	
	P4000 (mobile)	Windows x64	Windows 10	
	P5000	Windows x64	Windows 10	
		Linux x64	SLES 12.4	
	P5200	Windows x64	Windows 10	Tested with Speos or
	P6000	Windows x64	Windows 10	
		Linux x64	RHEL 7.6	



Manufacturer	Product Series	Card Version	Tested Platform	Tested OS	No
NVIDIA	Quadro RTX	3000 (mobile)	Windows x64	Windows 10	
		4000 (mobile)	Windows x64	Windows 10	
		4000	Windows x64	Windows 10	
			Linux x64	RHEL 7.7	
			_	RHEL 8.1	
			_	SLES 12.3	
		5000 (mobile)	Windows x64	Windows 10	
		5000	Windows x64	Windows 10	
			Linux x64	SLES 12.5	
			_	CentOS 7.8	
		6000	Windows x64	Windows 10	
			Linux x64	CentOS 8.1	
		8000	Windows x64	Windows 10	
			Linux x64	RHEL 8.1	
	Quadro T	T1000 (mobile)	Windows x64	Windows 10	
		T2000 (mobile)	Windows x64	Windows 10	

