



Graphical Display: Graphics Card Requirements and Cards Tested

Release 2020 R2

Minimum Graphics Requirements

Ansys Products (other than Discovery Live, 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 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

Ansys Discovery Live: 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 4.5 or above.

SPEOS and VRXPERIENCE: The VRXPERIENCE products only support NVIDIA graphic cards (P5200, P6000, and RTX 6000 are commended) on Windows 7 and 10. The minimum OpenGL versions required are OpenGL v2.1 and OpenCL 1.2. The SPEOS products support the AMD and NVIDIA graphic cards. The minimal requirement is a P5200 on Windows 10. SPEOS for NX supports AMD Radeon Pro Vega 56 on Windows 10. Shaders v1.4 and CUDA v2.3 are recommended for the SPEOS products.

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 Capabilities document at [ansys.com> Support> Platform Support](https://ansys.com/Support/Platform-Support).

Cards Tested

The graphics cards listed below have been tested successfully with these Ansys' applications and products: Autodyn, AIM, CFX, Chemikn, Electronics Applications (HFSS, Designer, Q3D, Maxwell, Twin Builder, and Slwave), DesignXplorer, Enerigo, EnSight, Fluent, Forte, ICEM CFD, IC Engine, Icepak, Mechanical, Mechanical APDL, Meshing, Polyflow, SPEOS, SpaceClaim, System Coupling, TGrid, TurboGrid, VRXPERIENCE, and Workbench.

Manufacturer	Product Series	Card Version	Tested Platform	Tested OS	Notes
AMD	Radeon Pro	W5500	Windows x64	Windows 10	
		WX2100	Windows x64	Windows 10	
		WX3100	Windows x64	Windows 10	
		WX4100	Windows x64	Windows Server 2019	
		WX4150 (mobile)	Windows x64	Windows 10	
		WX7100	Windows x64	Windows 10	
		WX8200	Windows x64	Windows 10	
		WX9100	Windows x64	Windows 10	
		Vega 56	Windows x64	Windows 10	Support limited to SPEOS fo NX

Manufacturer	Product Series	Card Version	Tested Platform	Tested OS	Notes
NVIDIA	Quadro GV	GV100	Windows x64	Windows 10	
	Quadro M	M1200 (mobile)	Windows x64	Windows 10	
		M4000	Linux x64	RHEL 7.7	
				SLES 12.4	
				CentOS 7.7	
		M5000	Linux x64	RHEL 7.5	
				RHEL 7.6	
	Quadro P	P600	Windows x64	Windows 10	
		P2000	Windows x64	CentOS 7.5	
		P3200 (mobile)	Windows x64	Windows 10	
		P4000 (mobile)	Windows x64	Windows 10	
		P4200 (mobile)	Windows x64	Windows 10	
		P5200	Windows x64	Windows 10	Support limited to SPEOS & VRXPERIENCE
		P6000	Windows x64	Windows 10	
			Linux x64	SLES 15.1	
	Quadro RTX	3000 (mobile)	Windows x64	Windows 10	
		4000 (mobile)	Windows x64	Windows 10	
		4000	Windows x64	Windows 10	
			Linux x64	SLES 15.1	
5000 (mobile)		Windows x64	Windows 10		
5000		Windows x64	Windows 10		
		Linux x64	CentOS 7.6		
6000		Windows x64	Windows 10		
8000	Windows x64	Windows 10			
Quadro T	T1000 (mobile)	Windows x64	Windows 10		
	T2000 (mobile)	Windows x64	Windows 10		