Graphical Display: Graphics Card Requirements and Cards Tested

Release 2026 R1

Minimum Graphics Requirements: Visualization*

Ansys Products (other than Discovery, Speos, and AVxcelerate), Windows Platforms: Discrete graphics card with the latest drivers and compatible with the supported operating systems. For full functionality, use of a recent NVIDIA or AMD Professional or Workstation Graphics card with at least 2 GB of discrete video memory and supporting, at a minimum, OpenGL version 4.5, DirectX 11, Shader Model 5.0, or an Intel Arc Pro graphics cards.

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 or AMD Professional or Workstation Graphics card with at least 1 GB of discrete video memory and supporting, at a minimum, OpenGL version 4.5. Fluent does not support AMD cards on Linux platforms.

Ansys Composite PrepPost (ACP): Requires, at a minimum, OpenGL 3.2 for interactive use.

Discovery: NVIDIA Discrete graphics card with the latest drivers. Pascal series or newer recommended. At least 4 GB of discrete video memory (8 GB recommended). OpenGL version 4.6 or above. AMD Radeon Pro cards are also supported, with the exception of the Explore stage, and the Refine stage using the LiveGX solver. Intel Arc Pro GPU cards are also supported in the Modeling stage. When running under Discovery Modeling at least 2 GB of discrete video memory is required (4+ GB recommended).

Speos and Speos for NX: NVIDIA discrete graphics cards. Volta series or newer recommended with drivers as specified in the user documentation. RTX series is preferred. At least 4 GB of discrete video memory is required (16 GB recommended). NVIDIA RTX PRO Blackwell graphic cards are supported as of release 2025 R2 Service Pack 3.

AVxcelerate: NVIDIA workstation discrete graphics cards from Quadro RTX, RTX A, or RTX Ada series. 16 GB of discrete video memory is recommended with driver as specified in the user documentation.

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.

Rocky: A graphics card supporting, at a minimum, OpenGL 3.3 and AMD cards and Intel Arc Pro graphics cards only for post-processing on both Windows and Linux platforms.

* Accelerated Processing Unit (APU) integrated graphics may be suitable for some applications; see the table of tested cards below.

Cards Tested

The graphics cards listed below have been tested successfully with these Ansys' applications and products: ANSYS Dynamic Reporting, Ansys Workbench/Mechanical, Autodyn, CFX, Chemkin, DesignXplorer, Discovery, Electronics suite (IcepakFEA, Designer Workflow, HFSS, Maxwell, Q3D Extractor, and SIwave), EnSight, FENSAP-ICE, Fluent/Fluent-Meshing, Forte, ICEM CFD, Icepak, LS-DYNA, Mechanical APDL, Meshing, optiSLang, Polyflow, Rocky, Scade, Scade One, SpaceClaim, SpaceClaim Meshing, Speos, Speos for NX, SpaceClaim, System Coupling, TurboGrid, TwinAI, and TwinBuilder.

Manufacturer	Product Series	Card Version	Tested Platform	Tested OS	Notes
AMD	Radeon	8050S	Windows x64	Windows 11	
		8060S	Windows x64	Windows 11	
		840M	Windows x64	Windows 11	
		860M	Windows x64	Windows 11	
		890M	Windows x64	Windows 11	
	Radeon AI PRO	9700	Windows x64	Windows 11	
			Linux x64	SLES 15.7	
	Radeon PRO	W6300	Windows x64	Windows 11	
		W6400	Windows x64	Windows 11	
			Linux x64	Ubuntu 22.04	
		W6800	Windows x64	Windows 11	
		W7400	Windows x64	Windows 11	
			Linux x64	RHEL 9.6	
		W7500	Windows x64	Windows 11	
			Linux x64	RHEL 8.10	
		W7600	Windows x64	Windows 11	
			Linux x64	Ubuntu 24.04	
		W7700	Windows x64	Windows 11	
			Linux x64	SLES 15.6	
		W7800	Linux x64	RHEL 9.6	
		W7900	Windows x64	Windows 11	
			Linux x64	RHEL 8.10	
	Ryzen 5 PRO	8640HS (mobile)	Windows x64	Windows 11	Requires specific non-unified driver for installation
	Ryzen 7 PRO	7840U (mobile)	Windows x64	Windows 11	Requires specific non-unified driver for installation
		8845HS (mobile)	Windows x64	Windows 11	Requires specific non-unified driver for installation
	Ryzen 9 PRO	7940HS (mobile)	Windows x64	Windows 11	Requires specific non-unified driver for installation

Manufacturer	Product Series	Card Version	Tested Platform	Tested OS	Notes
Intel	Arc Pro	Arc 140T	Windows x64	Windows 11	
		Arc Pro A30M (mobile)	Windows x64	Windows 11	
		Arc Pro A40/A50	Windows x64	Windows 11	
		Arc Pro A60	Windows x64	Windows 11	
		Arc Pro A60M (mobile)	Windows x64	Windows 11	
		Arc Pro B50	Windows x64	Windows 11	
		Arc Pro B60	Windows x64	Windows 11	

Manufacturer	Product Series	Card Version	Tested Platform	Tested OS	Notes
NVIDIA	RTX	1000 Ada	Windows x64	Windows 11	
		2000 Ada	Windows x64	Windows 11	
			Linux x64	Rocky Linux 8.10	
		2000 Ada (mobile)	Windows x64	Windows 11	
		3000 Ada (mobile)	Windows x64	Windows 11	
		3500 Ada (mobile)	Windows x64	Windows 11	
		4000 Ada	Windows x64	Windows 11	
			Linux x64	Rocky Linux 9.4	
		4500 Ada	Windows x64	Windows 11	
			Linux x64	SLES 15.6	
		500 Ada (mobile)	Windows x64	Windows 11	
		5000 Ada	Windows x64	Windows 11	
			Linux x64	RHEL 9.4	
		5000 Ada (mobile)	Windows x64	Windows 11	
		6000 Ada	Windows x64	Windows 11	
			Linux x64	Rocky Linux 9.6	
		A1000	Windows x64	Windows 11	
			Linux x64	SLES 15.5	
		A400	Windows x64	Windows 11	
			Linux x64	RHEL 8.8	

Manufacturer	Product Series	Card Version	Tested Platforms	Tested OS	Notes
NVIDIA	RTX PRO	1000 Blackwell (mobile)	Windows x64	Windows 11	
		2000 Blackwell	Windows x64	Windows 11	
			Linux x64	Ubuntu 24.04	
		2000 Blackwell (mobile)	Windows x64	Windows 11	
		3000 Blackwell (mobile)	Windows x64	Windows 11	
		4000 Blackwell	Windows x64	Windows 11	
			Linux x64	SLES 15.7	
		4000 Blackwell (mobile)	Windows x64	Windows 11	
		4500 Blackwell	Windows x64	Windows 11	
			Linux x64	RHEL 8.10	
				Rocky Linux 8.10	
				Rocky Linux 9.6	
		500 Blackwell (mobile)	Windows x64	Windows 11	
		5000 Blackwell	Windows x64	Windows 11	
			Linux x64	RHEL 9.6	
				Rocky Linux 9.6	
		5000 Blackwell (mobile)	Windows x64	Windows 11	
		6000 Blackwell Workstation Edition	Windows x64	Windows 11	
		6000 MQ Blackwell	Windows x64	Windows 11	
			Linux x64	RHEL 9.6	
				SLES 15.7	
				Ubuntu 24.04	