



## Graphical Display: Graphics Card Requirements and Cards Tested

Release 2022 R2

### 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 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 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. AMD Radeon Pro graphic cards are not supported by Fluent on the Linux platform.

**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. 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. Pascal series or newer recommended with drivers as specified in the user documentation. At least 4 GB of discrete video memory is required (16 GB recommended).

**Speos for Creo Parametric:** NVIDIA or AMD discrete graphics cards (Pro recommended) with the latest drivers (listed in the technical documentation), At least 4 GB of discrete video memory (8 GB recommended).

**AVxcelerate:** NVIDIA workstation discrete graphics cards from Quadro P, Quadro RTX, or RTX A 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](https://www.ansys.com/Support/Platform-Support).

\* 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 Workbench/Mechanical, Autodyn, CFX, Chemikn, DesignXplorer, Discovery, Electronics suite (Designer Workflow, HFSS, Maxwell, Q3D Extractor, and SIwave), Enerigo, EnSight, FENSAP-ICE, Fluent/Fluent-Meshing, Forte, 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 AVxcelerate are available on GPU Accelerator Capabilities support table.

Manufacturer	Product Series	Card Version	Tested Platform	Tested OS	Notes
AMD	Radeon Pro*	W5500	Windows x64	Windows 10	
		W5700	Linux x64	RHEL 8.4	
		W6400	Windows x64	Windows 11	
		W6600	Windows x64	Windows 11	
			Linux x64	Ubuntu 20.04	
		W6800	Windows x64	Windows 11	
			Linux x64	RHEL 8.5	
		WX3200	Windows x64	Windows 10	
			Linux x64	SLES 15.3	
		WX5700	Windows x64	Windows 11	
		WX8200	Windows x64	Windows 10	
			Linux x64	Ubuntu 20.04	
		Vega 56	Windows x64	Windows 10	Tested with Speos for NX only
VII	Windows x64	Windows 11			
	Ryzen Pro	4000 Mobile	Windows x64	Windows 10	Requires specific non-unified driver for installation
		5000 Mobile	Windows x64	Windows 10	Requires specific non-unified driver for installation

\* AMD Radeon Pro graphic cards are not supported by Fluent on the Linux platform.

Manufacturer	Product Series	Card Version	Tested Platform	Tested OS	Notes
NVIDIA	Quadro GV	GV100	Windows x64	Windows 11	
			Linux x64	RHEL 8.3	
	Quadro P	P620	Windows x64	Windows 10	
			Linux x64	RHEL 7.7	
		P2200	Windows x64	Windows 10	
			Linux x64	SLES 12.4	
		P3200 (mobile)	Windows x64	Windows 10	
		P5200	Windows x64	Windows 10	Tested with Speos only
Quadro RTX	3000 (mobile)	Windows x64	Windows 10		
		Linux x64	CentOS 8.1		
	4000 (mobile)	Windows x64	Windows 10		
		Linux x64	CentOS 8.2		
	4000	Windows x64	Windows 10		
		Linux x64	CentOS 8.1		
	5000 (mobile)	Windows x64	Windows 10		
		Linux x64	CentOS 8.2		
	5000	Windows x64	Windows 11		
		Linux x64	CentOS 8.2		
6000	Windows x64	Windows 10			
	Linux x64	SLES 15.1			
8000	Windows x64	Windows 11			
	Linux x64	RHEL 8.4			
Quadro T	1000 (mobile)	Windows x64	Windows 10		
	T2000 (mobile)	Windows x64	Windows 10		

Manufacturer	Product Series	Card Version	Tested Platform	Tested OS	Notes
NVIDIA	RTX	A2000 (mobile)	Windows x64	Windows 11	
		A2000	Windows x64	Windows 10	
			Linux x64	SLES 12.5	
		A2000 (12 GB)	Windows x64	Windows 10	
			Linux x64	Ubuntu 20.04	
		A3000 (mobile)	Windows x64	Windows 10	
		A4000 (mobile)	Windows x64	Windows 10	
		A4000	Windows x64	Windows 10	
				Windows 11	
		A4500	Windows x64	Windows 10	
			Linux x64	RHEL 8.2	
		A5000 (mobile)	Windows x64	Windows 10	
		A5000	Windows x64	Windows 10	
			Linux x64	RHEL 7.9	
				CentOS 7.8	
				Ubuntu 20.04	
		A5500	Windows x64	Windows 10	
			Linux x64	RHEL 8.5	
		A6000	Windows x64	Windows 10	
				Windows 11	
	Linux x64	RHEL 8.5			
		SLES 15.3			
	T	T400	Linux x64	CentOS 7.9	
		T400 (4 GB)	Windows x64	Windows 10	
		T500 (mobile)	Windows x64	Windows 10	
		T600	Windows x64	Windows 10	
			Linux x64	SLES 15.2	
		T1000	Windows x64	Windows 10	
			Linux x64	CentOS 8.3	