

Graphical Display: Graphics Card Requirements and Cards Tested Release 2024 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.

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.

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). AMD Radeon PRO cards are also supported, with the exception of the Explore stage.

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).

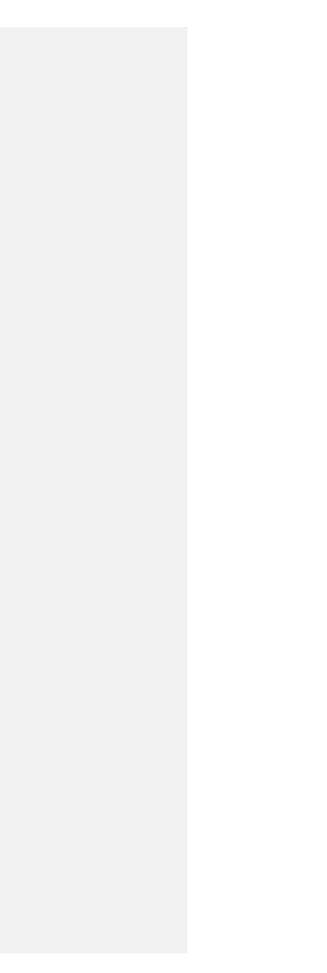
AVxcelerate: NVIDIA workstation discrete graphics cards from Quadro P, Quadro RTX, or RTX A series. 16 GB of discrete video memory is recommended with driver as specified in the user documentation.

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.

* 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, SpaceClaim, System Coupling, TurboGrid, and TwinBuilder.



Manufacturer	Product Series	Card Version	Tested Platform	Tested OS	Notes
AMD*	Radeon PRO	780M (mobile)	Windows x64	Windows 11	
		W5500	Windows x64	Windows 11	
			Linux x64	RHEL 7.9	
		W5700	Windows x64	Windows 10	
			Linux x64	RHEL 8.7	
		W6400	Windows x64	Windows 11	
			Linux x64	SLES 15 SP4	
		W6600	Windows x64	Windows 11	
			Linux x64	RHEL 8.7	
		W6800	Windows x64	Windows 11	_
			Linux x64	Ubuntu 20.04	_
		W7500	Windows x64	Windows 10	_
			-	Windows 11	_
		W7600	Windows x64	Windows 11	
		W7800	Windows x64	Windows 10	
			Linux x64	RHEL 8.7	
		W7900	Windows x64	Windows 11	
			Linux x64	Ubuntu 22.04	
	Ryzen 5 PRO	6650U	Windows x64	Windows 10	Requires specific non-unified driver for i
	Ryzen 7 PRO	4750U (mobile)	Windows x64	Windows 10	Requires specific non-unified driver for
		5850U (mobile)	Windows x64	Windows 10	Requires specific non-unified driver for i
	Ryzen 9 PRO	7940HS	Windows x64	Windows 11	Requires specific non-unified driver for

* Fluent does not support AMD cards on Linux platforms.

or installation

or installation

or installation

or installation

Manufacturer	Product Series	Card Version	Tested Platform	Tested OS	No
NVIDIA	RTX	2000 Ada (mobile)	Windows x64	Windows 10	
				Windows 11	
		3000 Ada (mobile)	Windows x64	Windows 10	
		3500 Ada (mobile)	Windows x64	Windows 11	
		4000 Ada	Windows x64	Windows 10	
				Windows 11	
			Linux x64	Ubuntu 22.04	
		4000 Ada (mobile)	Windows x64	Windows 10	
		5000 Ada	Windows x64	Windows 10	
				Windows 11	
		5000 Ada (mobile)	Windows x64	Windows 10	
				Windows 11	
		6000 Ada	Windows x64	Windows 11	
			Linux x64	RHEL 8.8	
		A500 (mobile)	Windows x64	Windows 11	
		A1000 (6 GB mobile)	Windows x64	Windows 11	
		A2000 (6 GB)	Windows x64	Windows 11	
			Linux x64	SLES 12 SP5	
		A2000 (12 GB)	Windows x64	Windows 11	
			Linux x64	SLES 15 SP4	
		A2000 (4 GB mobile)	Windows x64	Windows 11	
		A2000 (8 GB mobile)	Windows x64	Windows 11	
		A3000 (6 GB mobile)	Windows x64	Windows 10	
		A3000 (12 GB mobile)	Windows x64	Windows 11	



NVIDIA RTX A4000 (meblile) Windows s64 Windows 10 A4000 Windows s64 Windows 11 Linux s64 CentOS 7.9 A4500 (meblile) Windows s64 Windows 10 Mindows 10 A4500 (meblile) Windows s64 Windows 11 Linux s64 RHEL 8.7 A5000 (meblile) Windows s64 Windows 11 A5000 (meblile) Windows s64 Windows 11 A5000 (meblile) Windows s64 Windows 11 A5500 (meblile) Windows s64 Windows 11 A5500 (meblile) Unux s64 RHEL 8.4 V Mindows s64 Windows 10 Linux s64 RHEL 8.4 T T400 (2.68) Windows s64 Windows 10 Linux s64 RHEL 8.4 RHEL 8.6 T500 (meblik) Windows s64 Windows 10 T400 (2.68) Windows s64 Windows 10 Linux s64 RHEL 8.5 T600 (meblik) Windows s64 Windows 11 Linux s64 RHEL 8.5 T500 (meblik) Windows s64 Windows 10 Linux s64 RHEL 8.5 T600 (meblik) <th>Manufacturer</th> <th>Product Series</th> <th>Card Version</th> <th>Tested Platforms</th> <th>Tested OS</th> <th>Notes</th>	Manufacturer	Product Series	Card Version	Tested Platforms	Tested OS	Notes
Linux x64 Cent05 7.9 A4500 (mabile) Windows x64 Windows 10 A4500 Windows x64 Windows 11 Linux x64 RHEL 8.7 A5000 (mabile) Windows x64 Windows 10 A5000 (mabile) Windows x64 Windows 11 A6000 Windows x64 Windows 10 Linux x64 RHEL 8.4 T T400 (2 cel) Windows x64 Windows 10 Linux x64 RHEL 8.6 T500 (mabile) Windows x64 Windows 10 T550 (mabile) Windows x64 Windows 10 T550 (mabile) Windows x64 Windows 10 T550 (mabile) Windows x64 Windows 10 T1000 (aca) Windows x64 Windows 10 T1000 (aca) Windows x64 Windows 1	NVIDIA	RTX	A4000 (mobile)	Windows x64	Windows 10	
A4500 (mobile) Windows X64 Windows 10 A4500 Windows x64 Windows 11 Linux x64 RHEL 8.7 A5000 (mobile) Windows x64 Windows 10 A5000 (mobile) Windows x64 Windows 11 A5500 (mobile) Uinux x64 Windows 11 Linux x64 RHEL 8.4 Ubuntu 20.04 Linux x64 RHEL 8.4 Innux x64 CentOS 7.8 T400 (2 G8) Windows x64 Windows 11 Linux x64 RHEL 8.6 T500 (mobile) Windows x64 Windows 11 T500 (mobile) Windows x64 Windows 10 Inux x64 RHEL 8.6 T500 (mobile) Windows x64 Windows 10 Inux x64 RHEL 8.5 T600 (mobile) Windows x64 Windows 10 Inux x64 RHEL 8.5 T600 (mobile)			A4000	Windows x64	Windows 11	
A4500 Windows x64 Windows 11 Linux x64 RHEL 8.7 A5000 (mobile) Windows x64 Windows 10 A5000 Windows x64 Windows 11 A5500 (mobile) Windows x64 Windows 11 A5500 (mobile) Windows x64 Windows 11 A5500 (mobile) Windows x64 Windows 11 Linux x64 Ubuntu 20.04 A6000 Windows x64 Windows 11 Linux x64 RHEL 8.4 Ubuntu 20.04 A6000 Windows x64 Windows 10 Linux x64 RHEL 8.4 Ubuntu 20.04 Xindows x64 Windows 10 Linux x64 RHEL 8.6 Windows x64 Windows 10 Linux x64 RHEL 8.6 T500 (mobile) Windows x64 Windows 10 T500 (mobile) Windows x64 Windows 10 Linux x64 RHEL 8.5 T600 (mobile) Windows x64 Windows 10 Linux x64 RHEL 8.5 T600 (mobile) Windows x64 Windows 10 Linux x64 SLES 15 SP2 T1000 (s G9) Windows x64				Linux x64	CentOS 7.9	
Linux x64 RHEL 8.7 A5000 (mobile) Windows x64 Windows 10 A5000 Windows x64 Windows 11 A5500 (mobile) Windows x64 Windows 11 A5500 Windows x64 Windows 11 A5500 Windows x64 Windows 11 Linux x64 Ubuntu 20.04 A6000 Windows x64 Windows 11 Linux x64 RHEL 8.4 Linux x64 RHEL 8.4 T T400 (2 G8) Windows x64 Windows 10 Linux x64 CentOS 7.8 Linux x64 RHEL 8.6 T500 (mobile) Windows x64 Windows 10 Linux x64 RHEL 8.5 T600 Inux x64 RHEL 8.5 T600 (mobile) Windows x64 Windows 10 Linux x64 SLE			A4500 (mobile)	Windows x64	Windows 10	
A5000 (mobile) Windows x64 Windows 10 A5000 Windows x64 Windows 11 A5500 (mobile) Windows x64 Windows 11 A5500 Windows x64 Windows 11 A5500 Windows x64 Windows 11 Linux x64 Ubuntu 20.04 A6000 Windows x64 Windows 11 Linux x64 RHEL 8.4 Ubuntu 20.04 Mindows x64 Windows 10 Linux x64 Control (2 G8) Windows x64 Windows 10 Linux x64 CentOS 7.8 T400 (2 G8) T400 (2 G8) Windows x64 Windows 11 Linux x64 RHEL 8.6 T500 (mobile) T500 (mobile) Windows x64 Windows 10 T550 (mobile) Windows x64 Windows 10 T600 Windows x64 Windows 10 Linux x64 RHEL 8.5 T600 (mobile) Windows x64 Windows 10 Linux x64 SLES 15 SP2 T1000 (x68) Linux x64 SHEL 7.9			A4500	Windows x64	Windows 11	
A5000 Windows x64 Windows 11 A5500 (mobile) Windows x64 Windows 11 A5500 Windows x64 Windows 11 Linux x64 Ubuntu 20.04 A6000 Windows x64 Windows 11 Linux x64 RHEL 8.4 Windows 10 Linux x64 CentOS 7.8 T400 (x G8) T400 (x G8) Windows x64 Windows 11 Linux x64 RHEL 8.6 T500 (mobile) T500 (mobile) Windows x64 Windows 10 T500 (mobile) Windows x64 Windows 10 T500 (mobile) Windows x64 Windows 10 T600 Windows x64 Windows 10 T1000 (a G8) Windows x64 Windows 10 T1000 (a G8) Windows x64 Windows 10 T1000 (a G8) Windows x64 Windows 10 Linux x64 SLES 15 SP2 T1000 (a G8) Windows x64 Windows 10 Linux x64 RHEL 7.9 Linux x64 RHEL 7.9 Linux x64 RHEL 7.9				Linux x64	RHEL 8.7	
A5500 (mobile) Windows x64 Windows 11 A5500 Windows x64 Windows 11 Linux x64 Ubuntu 20.04 A6000 Windows x64 Windows 11 Linux x64 RHEL 8.4 Windows 10 T T400 (2 G8) Windows x64 Windows 11 Linux x64 CentOS 7.8 T400 (4 G8) Windows x64 Windows 11 T T400 (4 G8) Windows x64 Windows 11 Inux x64 RHEL 8.6 T500 (mobile) Windows x64 Windows 10 Inux x64 RHEL 8.6 Inux x64 RHEL 8.6 T500 (mobile) Windows x64 Windows 10 Inux x64 RHEL 8.6 Inux x64 RHEL 8.6 Inux x64 RHEL 8.5 Inux x64 SLES 15 SP2 Inux x64 SLES 15 SP2 Inux x64 SLES 15 SP2 Inux x64 RHEL 7.9 Inux x64 RHEL 7.9			A5000 (mobile)	Windows x64	Windows 10	
A5500 Windows x64 Windows 11 Linux x64 Ubuntu 20.04 A6000 Windows x64 Windows 11 Linux x64 RHEL 8.4 T T400 (2 GB) Windows x64 Windows 10 Linux x64 CentOS 7.8 Linux x64 CentOS 7.8 T400 (4 GB) Windows x64 Windows 11 Linux x64 RHEL 8.6 T500 (mobile) Windows x64 Windows 10 T550 (mobile) Windows x64 Windows 10 T600 (mobile) Windows x64 Windows 10 Linux x64 RHEL 8.5 T600 (mobile) Windows x64 Windows 10 T1000 (4GB) Windows x64 Windows 10 Linux x64 SLES 15 SP2 T1000 (4GB) Windows x64 Windows 10 Linux x64 RHEL 7.9			A5000	Windows x64	Windows 11	
Linux x64 Ubuntu 20.04 A6000 Windows x64 Windows 11 Linux x64 RHEL 8.4 T T400 (2 GB) Windows x64 Windows 10 Linux x64 CentOS 7.8 T400 (4 GB) Windows x64 Windows 11 T400 (4 GB) Windows x64 Windows 11 Linux x64 RHEL 8.6 T500 (mobile) Windows x64 Windows 10 T550 (mobile) Windows x64 Windows 11 T600 (mobile) Windows x64 Windows 10 Linux x64 RHEL 8.5 T600 (mobile) Windows x64 Windows 10 Linux x64 RHEL 8.5 T600 (mobile) Windows x64 Windows 10 Linux x64 SLES 15 SP2 T1000 (8 GB) Windows x64 Windows 10 Linux x64 SLES 15 SP2 T1000 (8 GB) Windows x64 Windows 10 Linux x64 RHEL 7.9			A5500 (mobile)	Windows x64	Windows 11	
A6000 Windows x64 Windows 11 Linux x64 RHEL 8.4 T T400 (2 GB) Windows x64 Windows 10 Linux x64 CentOS 7.8 Linux x64 Windows 11 L1000 (4 GB) Windows x64 Windows 11 L1000 (mobile) Windows x64 Windows 10 T500 (mobile) Windows x64 Windows 10 T500 (mobile) Windows x64 Windows 10 T600 Windows x64 Windows 10 Linux x64 RHEL 8.5 T600 (mobile) T600 (mobile) Windows x64 Windows 10 Linux x64 RHEL 8.5 T600 (mobile) T1000 (4GB) Windows x64 Windows 10 Linux x64 SLES 15 SP2 T1000 (4GB) Windows x64 Windows x64 Windows 10 Linux x64 RHEL 7.9			A5500	Windows x64	Windows 11	
Linux x64 RHEL 8.4 T T400 (2 GB) Windows x64 Windows 10 Linux x64 CentOS 7.8 Linux x64 RHEL 8.6 T400 (4 GB) Windows x64 Windows 11 Linux x64 RHEL 8.6 T500 (mobile) Windows x64 Windows 10 T550 (mobile) Windows x64 Windows 10 T550 (mobile) Linux x64 RHEL 8.5 T600 Windows x64 Windows 10 Linux x64 RHEL 8.5 T600 (mobile) Windows x64 Windows 10 Linux x64 RHEL 8.5 T600 (mobile) Windows x64 Windows 10 Linux x64 SLES 15 SP2 T1000 (4GB) Windows x64 Windows 10 Linux x64 SLES 15 SP2 T1000 (8 GB) Windows x64 Windows 10 Linux x64 RHEL 7.9				Linux x64	Ubuntu 20.04	
T T400 (2 GB) Windows x64 Windows 10 Linux x64 Cent0S 7.8 10 T400 (4 GB) Windows x64 Windows 11 Linux x64 RHEL 8.6 10 T500 (mobile) Windows x64 Windows 10 T550 (mobile) Windows x64 Windows 11 T600 Windows x64 Windows 10 Linux x64 RHEL 8.5 10 T600 (mobile) Windows x64 Windows 10 Linux x64 RHEL 8.5 1000 (4GB) T1000 (4GB) Windows x64 Windows 10 Linux x64 SLES 15 SP2 1000 (8 GB) T1000 (8 GB) Windows x64 RHEL 7.9			A6000	Windows x64	Windows 11	
Linux x64CentOS 7.8T400 (4 GB)Windows x64Windows 11Linux x64RHEL 8.6T500 (mobile)Windows x64Windows 10T550 (mobile)Windows x64Windows 11T600Windows x64Windows 10Linux x64RHEL 8.5T600 (mobile)Windows x64Windows 10Linux x64RHEL 8.5T600 (mobile)Windows x64Windows 10Linux x64SLES 15 SP2T1000 (8 GB)Windows x64Windows 10Linux x64RHEL 7.9				Linux x64	RHEL 8.4	
T400 (4 GB)Windows x64Windows 11Linux x64RHEL 8.6T500 (mobile)Windows x64Windows 10T550 (mobile)Windows x64Windows 11T600Windows x64Windows 10Linux x64RHEL 8.5T600 (mobile)Windows x64Windows 10T1000 (4GB)Windows x64Windows 10Linux x64SLES 15 SP2T1000 (8 GB)Windows x64Windows 10Linux x64RHEL 7.9		Т	T400 (2 GB)	Windows x64	Windows 10	
Linux x64RHEL 8.6T500 (mobile)Windows x64Windows 10T550 (mobile)Windows x64Windows 11T600Windows x64Windows 10Linux x64RHEL 8.5T600 (mobile)Windows x64Windows 10T1000 (4GB)Windows x64Windows 10Linux x64SLES 15 SP2T1000 (8 GB)Windows x64Windows 10Linux x64RHEL 7.9				Linux x64	CentOS 7.8	
T500 (mobile)Windows x64Windows 10T550 (mobile)Windows x64Windows 11T600Windows x64Windows 10Linux x64RHEL 8.5T600 (mobile)Windows x64Windows 10T1000 (4GB)Windows x64Windows 10Linux x64SLES 15 SP2T1000 (8 GB)Windows x64Windows 10Linux x64RHEL 7.9			T400 (4 GB)	Windows x64	Windows 11	
T550 (mobile)Windows x64Windows 11T600Windows x64Windows 10Linux x64RHEL 8.5T600 (mobile)Windows x64Windows 10T1000 (4GB)Windows x64Windows 10Linux x64SLES 15 SP2T1000 (8 GB)Windows x64Windows 10Linux x64RHEL 7.9				Linux x64	RHEL 8.6	
T600Windows x64Windows 10Linux x64RHEL 8.5T600 (mobile)Windows x64Windows 10T1000 (4GB)Windows x64Windows 10Linux x64SLES 15 SP2T1000 (8 GB)Windows x64Windows 10Linux x64RHEL 7.9			T500 (mobile)	Windows x64	Windows 10	
Linux x64RHEL 8.5T600 (mobile)Windows x64Windows 10T1000 (4GB)Windows x64Windows 10Linux x64SLES 15 SP2T1000 (8 GB)Windows x64Windows 10Linux x64RHEL 7.9			T550 (mobile)	Windows x64	Windows 11	
T600 (mobile)Windows x64Windows 10T1000 (4GB)Windows x64Windows 10Linux x64SLES 15 SP2T1000 (8 GB)Windows x64Windows 10Linux x64RHEL 7.9			Т600	Windows x64	Windows 10	
T1000 (4GB)Windows x64Windows 10Linux x64SLES 15 SP2T1000 (8 GB)Windows x64Windows 10Linux x64RHEL 7.9				Linux x64	RHEL 8.5	
Linux x64SLES 15 SP2T1000 (8 GB)Windows x64Windows 10Linux x64RHEL 7.9			T600 (mobile)	Windows x64	Windows 10	
T1000 (8 GB)Windows x64Windows 10Linux x64RHEL 7.9			T1000 (4GB)	Windows x64	Windows 10	
Linux x64 RHEL 7.9				Linux x64	SLES 15 SP2	
			T1000 (8 GB)	Windows x64	Windows 10	
T1200 (mobile) Windows x64 Windows 10				Linux x64	RHEL 7.9	
			T1200 (mobile)	Windows x64	Windows 10	

