GPU Compute Capabilities
Release 2024 R1

The cards listed below have been tested by Ansys, Inc. to verify support of the GPU solvers. Compute capabilities are available for both Windows and Linux and support most NVIDIA Tesla and NVIDIA Quadro series GPUs.

Specific to Fluent:
- Compute capabilities can be used for both shared-memory parallel processing and distributed-memory parallel processing.
- Fluent has beta support for AMD GPUs in release 2024 R1, including AMD MI250 GPUs.

Specific to Speos:
- Speos is best optimized on RTX GPUs because it supports RT-core acceleration.

Specific to Rocky:
- Rocky does not support cluster computing.
- Compute capability of 6.0 or higher. Cards with a CUDA compute capability as low as 3.5 might still work with Rocky but are not guaranteed.

Cards Tested

The performance benefit of using a GPU Accelerator will depend on the card selected and the overall system configuration.

Application	Manufacturer	Product Series	Card / GPU	Tested Platform	Tested Operating System Version	Notes
Fluent GPU Solver	NVIDIA	Quadro	A100	Linux x64	CentOS 7.9	
			GV100	Linux x64	Red Hat 8.5	
		Quadro RTX	RTX 6000	Windows x64	Windows 11	
				Linux x64	SLES 12 SP5	
			RTX A4000	Linux x64	Red Hat 7.8	
			RTX A5000	Windows x64	Windows 11	
			RTX A6000	Windows x64	Windows Server 2022	
				Linux x64	CentOS 7.8	
					CentOS 7.9	
					Red Hat 8.6	
					Red Hat 8.7	
					SLES 15 SP3	

Speos GPU Solver	NVIDIA	Quadro	A2000	Windows x64	Windows 10
			A4000	Windows x64	Windows 10
					Windows 11
				Linux x64	CentOS 7.9
			A5000	Windows x64	Windows 10
					Windows 11
				Linux x64	CentOS 8.8
			A5500	Windows x64	Windows 10
			A6000	Windows x64	Windows 10
				Linux x64	Ubuntu 20.04
			GTX 1080	Windows x64	Windows 11
			GV 100	Windows x64	Windows 10
					Windows 11
				Linux x64	Centos 7.9
					Red Hat 8.5
			P5200	Windows x64	Windows 10
					Windows 11
			P6000	Windows x64	Windows 11
					Windows Server 2019
				Linux x64	CentOS 7.9
		Quadro RTX	A5000	Windows x64	Windows 10
					Windows 11
			4000	Windows x64	Windows 11
				Linux x64	CentOS 8.8
					Red Hat 8.5
			5000	Windows x64	Windows 10
					Windows 11
			6000	Windows x64	Windows 10
					Windows 11
			6000 Ada	Windows x64	Windows 10
					Windows 11
				Linux x64	CentOS 8.8
			P6000	Windows x64	Windows 11

24102