



# 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.

## 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
		A5000	Linux x64	CentOS 7.9
				Windows 10
		A5000	Linux x64	CentOS 8.8
				Windows 11
		A5500	Windows x64	Windows 10
		A6000	Windows x64	Windows 10
				Linux x64
		GTX 1080	Windows x64	Windows 11
		GV 100	Windows x64	Windows 10
				Windows 11
				Linux x64
		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
			Windows 10	
	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		