



GPU Accelerator and co-processor Capabilities * Release 20.2

* Based on support of the GPU to process certain calculations and flow solver computations for better performance during a solution. Acceleration can be used for both selected requests parallel processing (before solving) and distributed memory parallel processing (distributed memory). Acceleration is available for both Windows and Linux.

Support by Applications

ANSYS Mechanical APDL supports all NVIDIA Tesla series cards and the following Quadro series cards: 4000Q, 5000Q, 5100Q, 6000Q, 6100Q, 7000Q, 7100Q, 8000Q, 8100Q, 9000Q, 9100Q. **ANSYS Mechanical APDL** supports the following Intel Xeon Phi coprocessor cards: 6110, 6120 and 7120. When using the coprocessor an equivalent based on the system solver with NVIDIA cards additional considerations apply (please consult the ANSYS installation guide for details).

ANSYS Fluent supports NVIDIA GeForce GTX series and Quadro series workstation and server cards.

ANSYS Fluent supports all NVIDIA Tesla series cards and the following Quadro series cards: 4000Q, 5000Q, 6000Q, 6100Q, 7000Q, 7100Q, 8000Q, 8100Q, 9000Q, 9100Q.

ANSYS CFX supports NVIDIA Tesla P series, Tesla E series, Quadro P series, GeForce GTX series and GeForce GTX series.

ANSYS CFD-POST supports NVIDIA Tesla P series, T40 series, Tesla P series, Quadro P series (P5000 and above).

ANSYS ICEM CFD supports NVIDIA GeForce GTX series and Quadro series workstation and server cards.

ANSYS Maxwell supports NVIDIA Tesla P series, T40 series, Tesla P series, Quadro P series (P5000 and above).

ANSYS SpaceClaim supports NVIDIA Tesla P series, Tesla E series, Quadro P series, GeForce GTX series and GeForce GTX series.

Application	Manufacturer	Product Series	Card / GPU	Tested Platform	Tested Operating System Version
ANSYS Mechanical APDL	NVIDIA	Quadro	4000	Linux 64	Red Hat 6.8
			5000	Linux 64	Red Hat 6.8
	Tesla	6000	Linux 64	Red Hat 6.8	
		7000	Linux 64	Red Hat 6.8	
		8000	Linux 64	Red Hat 6.8	
		9000	Linux 64	Red Hat 6.8	
ANSYS Fluent	NVIDIA	Quadro	4000	Linux 64	Red Hat 6.8
			5000	Linux 64	Windows 7
	Tesla	6000	Linux 64	Windows 7	
		7000	Linux 64	Windows 7	
		8000	Linux 64	Windows 7	
		9000	Linux 64	Windows 7	

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		7000	Linux 64	Windows 7	
		8000	Linux 64	Windows 7	
		9000	Linux 64	Windows 7	
ANSYS CFX	NVIDIA	Quadro	4000	Linux 64	Red Hat 6.8
			5000	Linux 64	Red Hat 6.8
	Tesla	6000	Linux 64	Windows 7	
		7000	Linux 64	Windows 7	
		8000	Linux 64	Windows 7	
		9000	Linux 64	Windows 7	
ANSYS CFD-POST	NVIDIA	Quadro	4000	Linux 64	Red Hat 6.8
			5000	Linux 64	Red Hat 6.8
	Tesla	6000	Linux 64	Windows 7	
		7000	Linux 64	Windows 7	
		8000	Linux 64	Windows 7	
		9000	Linux 64	Windows 7	
ANSYS SpaceClaim	NVIDIA	Quadro	4000	Linux 64	Red Hat 6.8
			5000	Linux 64	Red Hat 6.8
	Tesla	6000	Linux 64	Windows 7	
		7000	Linux 64	Windows 7	
		8000	Linux 64	Windows 7	
		9000	Linux 64	Windows 7	

Gpu Accelerator And Co Processor Capabilities Ansys

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