System requirements for Autodesk Nastran In-CAD 2019

Operating System: (desktop workstations or laptops)	Microsoft® Windows® 7 SP1 64-bit (Home Premium, Professional, Ultimate, and Enterprise editions), Windows 8 / 8.1 64-bit (Basic, Pro, or Enterprise editions), Windows 10 64-bit (Home, Pro, Enterprise, or Education editions) **Note:** 32-bit (x86) versions of Windows are NOT supported.
Network Card	Required for network installation with FlexLM licensing for all workstations or laptops.

Desktop Workstation System Requirements

	Minimum Workstation	**Budget Workstation**	**High-End Workstation**
Computer, CPU	Intel® Pentium or AMD®-based	Intel Core i5/i7 – Dual or Quad Core at high clock speed	Dual Intel Xeon® Quad-core CPUs at high clock speed (3.5+ GHz) or single Xeon 8-core CPU at high clock speed (2.8+ GHz)
Memory, RAM	2 GB	8 GB	32+ GB
Graphics Card	256 MB workstation video card	1 GB dedicated video card	2+ GB NVIDIA® Quadro K4000 or similar
Hard Disk	40 GB free space	1 TB SATA 7200RPM and 256GB SSD for temp files	2 TB SATA 7200RPM for file storage and 512GB SSD for temp files **Note:** High write speed is critical (at least 400MB/sec is good)

Laptop System Requirements

	Minimum Laptop	**Budget Laptop**	**High-End Laptop**
Computer, CPU	Intel Pentium or AMD-based	Intel Core i5 – Dual or Quad Core at high clock speed	Intel Core i7 – Dual or Quad Core at high clock speed
Memory, RAM	2 GB	4 GB	16+ GB
Graphics Card	256 MB workstation video card	1 GB dedicated video card	2+ GB NVIDIA or equivalent ATI
Hard Disk	40 GB free space	1 TB SATA 7200RPM	512 GB or 1 TB SSD Note: High write speed is critical (at least 400MB/sec is good)
Network Card	Required for network installation with FlexLM licensing for all laptop levels (minimum through high-end).		

There are many types of hardware that will allow you to use Autodesk Nastran In-CAD. Proper choice of hardware however, can often make the difference between frustration and productivity. Here are a few suggestions:

- Add more memory (RAM) above the minimum configuration. This will allow you to specify more memory for the Autodesk Nastran In-CAD and reduce the likelihood of memory thrashing (excessive paging of virtual memory to disk).

- Required hard disk space is difficult to estimate, but in general you will never have enough. This is especially true when running large models. If you are continuously running out of disk space, you may want to invest in a larger and faster hard disk. Disk compression software may also help, but may also degrade performance.