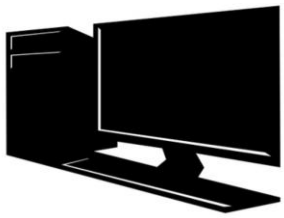
Recommended Hardware for SOLIDWORKS

TITLE:	Recommended Hardware for SOLIDWORKS
DATE:	September 2026
SUBJECT:	Hardware, laptops, desktops
ABSTRACT:	Out-of-the-box computer recommendations for SOLIDWORKS



This guide is intended to assist in the selection of an OEM/off-the-shelf system for use with SOLIDWORKS. The recommendations are intended as advice for a general audience. The systems specified are extensions of the recommendations found on the SOLIDWORKS website and are based on available hardware, internal testing, and customer support experience.

Before purchasing any workstation, make sure that it is officially tested and certified by SOLIDWORKS on their hardware certification page.

Potential upgrades and their benefits are also listed by component type. These upgrades are intended for advanced users seeking to optimize their system.

This guideline applies to most SOLIDWORKS products. For specialty products, please see the links at the end of this document.

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Hawk Ridge Systems Recommended System Summary

Notebook PCs	
Out-Of-Box Solutions	Lenovo ThinkPad P Series Mobile Workstations Dell Pro Max/Precision Mobile Workstations HP ZBook 8 Mobile Workstations
Operating System	Windows 11 Professional 64-Bit
Graphics Card	NVIDIA RTX PRO 500/1000 Blackwell
Processor	Intel Core™ Ultra 7 AMD Ryzen AI 7/7 PRO
RAM	32GB
Storage	512GB SSD
Other (Required)	Microsoft Office 2024, 3-Button Mouse with Scroll Wheel

Desktop PCs	
Out-Of-Box Solutions	Lenovo ThinkStation P Series Dell Pro Max/Precision Desktop Workstations HP Z2 Tower
Operating System	Windows 11 Professional 64-Bit
Graphics Card	NVIDIA RTX PRO 2000 Blackwell/A1000/1000 Ada
Processor	Intel Core™ Ultra 7 AMD Ryzen 7 PRO
RAM	32GB
Storage	512GB SSD
Other (Required)	Microsoft Office 2024, 3-Button Mouse with Scroll Wheel

Upgrades For Advanced Users

Certain cases require upgraded hardware. These include:

- Working with large assemblies and/or complex models
- Extensive multitasking (Multiple programs or files running simultaneously)
- Heavy Visualize usage
- Heavy Simulation or Flow Simulation usage

These upgrades are listed with their associated benefits. Special attention should be paid to the use case to eliminate bottlenecks.

Component	Benefits	Notebook	Desktop
RAM	General Performance, Multi-Tasking, Capacity (Model, Rendering and Simulation Size/Complexity), Rendering and Simulation Speed	64-128GB	64-128GB
Processor	Rebuilding Features, General Performance, Simulation Solving and Meshing Speed, Multi-tasking, Open/Save, Rendering Speed	Intel Core™ Ultra 9 AMD Ryzen AI 9 HX PRO	Intel Core™ Ultra 9 AMD Ryzen 9 PRO
Storage	Open/Save Speed, Rebuild Time, General Performance	1TB+ M.2 PCIe SSD	1TB+ M.2 PCIe SSD
Graphics Card	Display Capacity (Number of Faces and Amount of Data Shown), Rotate/Pan/Zoom performance, Ray Tracing (requires RTX cards)	NVIDIA RTX 2000 Ada-Pro 5000 Blackwell	NVIDIA RTX 4000 Ada-Pro 6000 Blackwell

Other Product Hardware Guidelines

- SOLIDWORKS and SW Data Management System Requirements
- Comprehensive Hardware Guide
- SOLIDWORKS Visualize System Requirements

For additional support, existing customers can submit a ticket or new customers can contact Hawk Ridge Systems.