

TMA SOLIDWORKS Laptop Requirements 2026

Basic System

Processor: 3.3 GHz or faster, Intel® Core i5, i7 or equivalent AMD®

Operating System: Windows® 11 and 10

Memory: 16GB or more is required

Hard Drive: Standard or Solid State Drive (SSD) > 250GB, keeping 10% drive capacity free space

Graphics Cards: NVIDIA® RTX 2000 Ada Generation

- System for simple parts, small assemblies (200 or fewer components), and drawings.
- This system will support part and assembly simulations including linear statics, thermal, frequency, fatigue, and optimization. Gap and contact simulations will run on small assemblies that contain simple components.
- This system will also support simple flow simulations.

Intermediate System

Processor: 3.3 GHz or faster, Intel® Core i7, Xeon or equivalent AMD®

Operating System: Windows® 11 and 10

Memory: 32GB or more as required

Hard Drive: Solid State Drive (SSD) > 250GB, keeping 10% drive capacity free space

Graphics Cards: NVIDIA® RTX 4000 Ada Generation

- System for complex parts with advanced shapes, large patterns, shells, 200+ features.
- This system is also for assemblies containing 200-1000 components and drawings.
- This system will support part and assembly simulations including non-linear, dynamics, random vibrations along with moderate gaps and contacts.
- This system will also support moderate flow simulations.

Advanced System

Processor: 3.3GHz or faster, Intel® Core i7, Xeon or equivalent AMD®

Operating System: Windows® 11 and 10

Memory: 64GB or more as required

Hard Drive: Solid State Drive (SSD) > 250GB, keeping 10% drive capacity free space

Graphics Cards: NVIDIA® RTX 5000 Ada Generation, RTX 6000 Ada Generation

- System for very complex parts with advanced surfacing features or hybrid modeling.
- This system is also for assemblies containing 1000 – 200,000 components.
- This system will support large complex analysis and large flow simulations.

For more information on specifications, visit: <https://www.goengineer.com/hardware-recommendations-for-solidworks#requirements>