High-performance workstation PCs built for the software you use.

/

That's the power of Intel Inside®
Intel® Xeon® W3 Processor

Autodesk® for Architecture, Engineering & Construction

We optimize our workstations for your multi-software workflows. Experience enhanced productivity and performance through maximum compatibility between your hardware and software.[1]

3ds Max® | AutoCAD® | Civil 3D® | FormIt® Pro | Navisworks® | ReCap® Pro | Revit®

2D & 3D Design

CPU[2]

6-8 cores / 5.3 GHz or faster

Design is mainly single-threaded, which is why we recommend a higher-frequency Intel® Core™ processor with a lower core count.

GPU[3]

1x entry-level professional series

Autodesk® CAD applications utilize professional GPUs to enable high-resolution design environments and more dynamic user interfaces.

Memory[4]

16-64 GB RAM

Project complexity and the number of projects running determine the amount of RAM needed. For basic 2D and 3D workflows, choose 16 GB RAM, and for more complex projects or multitasking, scale up to 64 GB.

Storage[5]

1 TB or more

This is determined by project scale, but a minimum of 1 TB will be needed.

An additional 1 TB data drive is recommended for long-term archiving and storage.

3D Modeling

CPU[2]

6-8 cores / 5.3 GHz or faster

Modeling is mainly single-threaded, which is why we recommend a higher-frequency Intel® Core™ processor with a lower core count.

GPU[3]

1x entry-level or mid-range professional series

Modeling benefits from the GPU cores and memory found in professional graphics cards.

Scale up according to model and assembly size.

Memory[4]

32-64 GB RAM

Project complexity and the number of projects running determine the amount of RAM needed.

Storage[5]

1 TB or more

This is determined by project scale, but a minimum of 1 TB will be needed.

An additional 1 TB data drive is recommended for long-term archiving and storage.

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Simulation & Analysis

CPU[2]

16-64 cores

CAE applications are resource-intensive, benefiting from both cores and clock speed in an Intel® Core™ processor.

GPU[3]

Up to 2x mid-range or 1x high-end professional series

Finite Element Analysis (FEA)and Computational Fluid Dynamics (CFD) almost always benefit from advanced GPUs with high core count and memory.

Memory[4]

64-152 GB RAM

Model size and complexity determine the amount of RAM needed. A minimum of 64 GB is recommended.

Storage[5]

1 TB or more

Simulation and analysis workflows generate large amounts of data. Depending on the amount of data your project requires, start with 1 TB and scale up as needed.

An additional 1 TB data drive is recommended for long-term archiving and storage.

Rendering & Visualization

CPU[2]

12-64 cores

Rendering is a multi-threaded workflow, taking advantage of all cores available. We recommend prioritizing higher core count over clock speed in an Intel® Core™ processor.

GPU[3]

Up to 2x mid-range or 1x high-end professional series

Mid-range to high-end graphics are recommended for rendering.

Memory[4]

32-64 GB RAM

Project complexity and the number of projects running determine the amount of RAM needed.

Storage[5]

1 TB or more

This is determined by project scale, but a minimum of 1 TB will be needed. An additional 1 TB data drive is recommended for long-term archiving and storage.

Product recommendations for Autodesk®

HP Z4 G5 AI Workstation Desktop PC

HP Z8 G5 AI Workstation Desktop PC

HP Series 7 Pro

For custom recommendations, visit our product finder tool

LEARN MORE

1. Third party software sold separately.
2. Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance. For the Z8 G5, 64 cores is enabled through installation of two CPUs. Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.
3. Optional, configurable features. For the Z6 G5, 1TB DDR5 ECC memory is planned to be available in the first half of 2023. Configurations for 2TB DDR5 ECC RAM are planned to be available in the first half of 2023. Error Correction Code (ECC) memory enables enhanced data reliability. ECC memory is only available on Intel® Xeon® processor options.
4. Optional, configurable features. For the Z4 G5, configurations for 92 TB storage requires after-market purchase. For the Z6 G5, configurations for 104 TB of storage requires separate additional purchase. For the Z8 G5, configurations for 136 TB storage requires after-market purchase. For the Z8 Fury G5, 136 TB requires separate additional purchase. For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB (for Windows) is reserved for system recovery software.

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