# HiCAD 3D

System and Hardware Requirements

Version 2027

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# Compatibility Matrix for Interfaces Applications (HiCAD 3D)

Listed below you find an overview of the interfaces that are available for HiCAD 3D:

| | HiCAD 3D 2027 | HiCAD 2026 | HiCAD 2025 |
|---|---|---|---|
| Operating system | | | |
| Microsoft Windows *<br>* As of HiCAD 2024 SP2, Windows 10 N and Windows 11 N are no longer supported.<br>** In order to use HiCAD 2025, Windows 10 19H1 or a higher version is required. | | | |
| Windows 11, 64 Bit | ✓ | ✓ | ✓ |
| Windows 10, 64 Bit | ✗ | ✗ | ✓ ** |
| Windows 8.1, 64 Bit or older | ✗ | ✗ | ✗ |
| PDM system | | | |
| HiCAD PDM 2027 | ✓ | ✗ | ✗ |
| HELiOS 2026 | ✗ | ✓ | ✗ |
| HELiOS 2025 | ✗ | ✗ | ✓ |
| HELiOS 2024 or older | ✗ | ✗ | ✗ |
| Interfaces | | | |
| LogiKal 12 | ✓ | ✓ | ✓ |
| LogiKal 11 | ✓ | ✓ | ✓ |
| LogiKal 10 | ✓ | ✓ | ✓ |
| LogiKal 9 | ✗ | ✗ | ✗ |
| KISSsoft 03/2017 up to 03/2026 | ✓ | ✓ | ✓ |
| CADClick 3.0 | ✓ | ✓ | ✓ |
| Microsoft Office *<br>*If communication between Microsoft Office and HiCAD 3D takes place via the COM interface, then both must have the same Bit version (64/64 Bit). Otherwise problems may occur in connection with VBA, e.g. when creating/editing Excel BOMs. | | | |
| Office 2021 | ✓ | ✓ | ✓ |
| Office 2019 | ✓ | ✓ | ✓ |

| | HiCAD 3D 2027 | HiCAD 2026 | HiCAD 2025 |
|---|---|---|---|
| Office 2016 | ✓ | ✓ | ✓ |
| Office 2013 | ✓ | ✓ | ✓ |
| Browsers | | | |
| Edge | ✓ | ✓ | ✓ |
| Mozilla Firefox | ✓ | ✓ | ✓ |
| Google Chrome | ✓ | ✓ | ✓ |

The ✗ symbol does not always mean that the respective product is not compatible. It can also mean that interactions have not been sufficiently tested by the ISD yet.

# System Requirements for HiCAD 3D

Here you will find the system requirements for operating HiCAD 3D.

| **Minimum hardware requirements** | |
|---|---|
| Computer | Generally, all hardware can be used enacting current drivers of applicable OS.<br>Please note that for instance the graphic-card drivers support OpenGL command sequence.<br>Internet connection and adrive for the installation medium. |
| Processor (CPU) | Intel or AMD processor with AVX2 and FMA support. This is the case for all processor generations from Intel Haswell (2013) or AMD Excavator (2015). |
| Main memory | 8 GB RAM |
| Hard disk | approx. 20 GB free disk space |
| Graphics card | A fully OpenGL 4.3-capable graphics card with at least 1 GB memory should be used.<br>You can check whether the graphics output requirements of your computer are sufficient for HiCAD 3D with the **OpenGL Test** button (in the Installation Wizard > **Standard Edition**)<br>To avoid possible problems with onboard graphics cards, we recommend using a stand-alone graphics card. . |
| Screen resolution | 1920 x 1080 |
| Operating system: | Microsoft Windows 11 |
| Other | For the output of reports, e.g. Sheet Metal cost calculations, you require Microsoft Office. |

There are no further requirements for the installation of the **HiCAD 3D version with License Management**; the legal licensing check is performed during runtime.

| **Examples of suitable hardware components for HiCAD 3D** | |
|---|---|
| Computer: | HP Workstation Z2 G9 |
| Processor (CPU): | Intel® Core™ i7-14700K 20 Core 3,4 GHz (28MB Cache) max. Turbo 5,6 GHz<br>SingleCore Benchmarks that can be found on various websites may help you with the choice of the processor. Example:<br>https://www.cpubenchmark.net/singleThread.html |
| Main memory: | 64GB DDR5 nECC / 4800 MHz<br>For optimal performance with large drawings, the system should have significantly more main memory than is apparently necessary for HiCAD 3D.<br>When converting point clouds, the memory requirement is often significantly greater than when using the converted point cloud in HiCAD 3D. |
| Hard disk: | HP Z Turbo Drive 1TB NVME M.2 SSD |
| Graphics card: | NVIDIA® RTX A4000 16GB GDDR6 graphics memory<br>Alternatives: NVIDIA® RTX 3070, AMD Radeon PRO W6600, AMD Radeon RX6600<br>When working with point clouds, at least 16 GB of graphics memory is recommended. |

| Examples of suitable hardware components for HiCAD 3D | |
|---|---|
| Screen resolution: | Working with a high screen resolution is only possible to a limited extent. |
| Operating system: | Microsoft Windows 11 |
| Others: | For the output of reports, e.g. Sheet Metal cost calculations, you require Microsoft Office. |

The interfaces available for the HiCAD 3D can be found in the compatibility matrix.

**Please note:**

- For the connection to Sentinel License Server, the Firewall of the UDP Port 5093 License Server must be released for in- and outcoming connections; for the Windows Firewall, the port release is executed automatically by activating the respective option in the installation program of the License Server.
- As of HiCAD 2024 SP2, Microsoft Windows 10 N and Microsoft Windows 11 N are no longer supported.
- If you use network licenses, use the operating systems indicated in the System Requirements for the License Server.
- Internet access is necessary for the computer/server via which the licenses are managed!
- In addition, you need one of the database systems listed under Hardware Requirements for the HiCAD PDM Database Server when using HiCAD PDM.
- If you encounter any kind of display problems, please check if your graphics card driver is up-to-date first. If it is not, update to the current driver.

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## All locations and contact details at a glance:

ISD Software und Systeme GmbH

Hauert 4

D-44227 Dortmund

Phone +49 231 9793-0

info@isdgroup.com

HiCAD 3D

HiCAD PDM

HiCAD 3D 32.0

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