HiCAD

UNLIMITED CAD PERFORMANCE **DEVELOPED BY ISD**

CAD with HiCAD

Version 2025

System and Hardware Requirements

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Compatibility Matrix for Interfaces Applications (HiCAD)

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

	HiCAD 2025	HiCAD 2024	HiCAD 2023
Operating system			
Microsoft Windows * * As of HiCAD 2024 SP2, Windows 10 N and Windows 11 N are no longer supported.			
Windows 11, 64 Bit	✔	✔	✔
Windows 10, 64 Bit	✔	✔	✔
Windows 8.1, 64 Bit or older	✘	✘	✘
PDM system			
HELiOS 2025	✔	✘	✘
HELiOS 2024	✘	✔	✔
HELiOS 2023	✘	✘	✔
HELiOS 2022 or older	✘	✘	✘
Interfaces			
LogiKal 12	✔	✔	✔
LogiKal 11	✔	✔	✔
LogiKal 10	✔	✔	✔
LogiKal 9	✘	✘	✘
KISSsoft 03/2017 up to 03/2025	✔	✔	✔
CADClick 3.0	✔	✔	✔
Microsoft Office * *If communication between Microsoft Office and HiCAD 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	✔	✔	✔
Office 2016	✔	✔	✔
Office 2013	✔	✔	✔
Browsers			

	HiCAD 2025	HiCAD 2024	HiCAD 2023
Internet Explorer 9 - 11	✔	✔	✔
Edge	✔	✔	✔
Mozilla Firefox	✔	✔	✔
Google Chrome	✔	✔	✔

The ✘ symbol does not always mean that the respective product is not compatible. It can also mean that the interactions between this product and the HELiOS Client have not been sufficiently tested by the ISD yet.

System Requirements for HiCAD

Here you will find the system requirements for operating HiCAD.

Minimum hardware requirements	
Computer	Generally, all hardware can be used enacting current drivers of applicable OS.
	Please note that for instance the graphic-card drivers support OpenGL command sequence.
	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.
	You can check whether the graphics output requirements of your computer are sufficient for HiCAD with the **OpenGL Test** button (in the Installation Wizard > **Standard Edition**)
	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 10
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 version with License Management**; the legal licensing check is performed during runtime.

Examples of suitable hardware components for HiCAD	
Computer:	HP Workstation Z2 G9
Processor (CPU):	Intel® Core™ i7-13700K 16 Core 3,4 GHz (24MB Cache) max. Turbo 5,4 GHz
	SingleCore Benchmarks that can be found on various websites may help you with the choice of the processor. Example:
	https://www.cpubenchmark.net/singleThread.html
Main memory:	64GB DDR5 nECC / 4800 MHz
	For optimal performance with large drawings, the system should have significantly more main memory than is apparently necessary for HiCAD.
	When converting point clouds, the memory requirement is often significantly greater than when using the converted point cloud in HiCAD.
Hard disk:	HP Z Turbo Drive 1TB NVME M.2 SSD
Graphics card:	NVIDIA® Quadro RTX A4000 16GB GDDR6 graphics memory
	Alternatives: NVIDIA® RTX 3070, AMD Radeon PRO W6600, AMD Radeon RX6600
	When working with point clouds, at least 16 GB of graphics memory is recommended.
Screen resolution:	Working with a high screen resolution is only possible to a limited extent. Resizing of text ("Enlarge text") is not recommended.

Examples of suitable hardware components for HiCAD	
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 can be found in the compatibility matrix.

> **Please note:**
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> - 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 HELiOS Database Server when using HELiOS.
>
> - 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.

Your local contact

We attach great importance to the direct contact with our customers and partners, because only a lively dialogue and constant exchange with practice ensure application- oriented software development.

Feel free to contact us! Whether at our headquarter in Dortmund or at one of our branches and subsidiaries in your vicinity - we will be happy to answer all your questions about our products and services. We are looking forward to hearing from you!

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