



HiCAD

UNLIMITED CAD PERFORMANCE DEVELOPED BY ISD

CAD with HiCAD

Version 2020

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 2020	HICAD 2019	HICAD 2018
Operating system			
Windows 10, 64 Bit	✓	✓	✓
Windows 8.1, 64 Bit	✓	✓	✓
Windows 8, 64 Bit	✓	✓	✓
Windows 7, 64 Bit	✓	✓	✓
PDM system			
HELiOS 2020	✓	✓	✓
HELiOS 2019	✗	✓	✓
HELiOS 2018	✗	✗	✓
HELiOS 2017 or older	✗	✗	✗
Interfaces			
LogiKal 11	✓	✓	✓
LogiKal 10	✓	✓	✓
LogiKal 9	✗	✗	✗
PartSolutions 8 to 11	✓	✓	✓
KISSoft 03/2017 up to 03/2019	✓	✓	✓
CADClick 3.0	✓	✓	✓
Microsoft Office *			
* Limitations may occur in conjunction with VBA.			
Office 2019	✓	✓	✓
Office 2016	✓	✓	✓
Office 2013	✓	✓	✓
Office 2010	✓	✓	✓
Browsers			
Internet Explorer 9 - 11	✓	✓	✓
Edge	✓	✓	✓
Mozilla Firefox	✓	✓	✓
Google Chrome	✓	✓	✓

System Requirements for HiCAD

It is possible to obtain our software with workstations and monitors as end-to-end solution. Thus, it is ensured that with the right configuration you get the most out of our software. As a matter of course, we undertake site installation of the software and customize these in accordance with heterogeneous system environments of common products. No matter how you decide: It is up to you which hardware components are to be used.

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 SSE2 support
Main memory	4 GB RAM To achieve optimal performance for large assemblies, the system should possess significantly more main memory than is considered sufficient for HiCAD at first glance. This enables the hard disk accessing operations Buffer memory, Undo and Switch drawing to be performed up to 4 times faster.
Hard disk	approx. 10 GB free disk space
Graphics card	Fully OpenGL 2.0 capable graphics card with at least 128 MB memory. You can use the OpenGLCapabilityTester to check whether the OpenGL capabilities of your computer are sufficient for HiCAD.
Screen resolution	1280 x 1024
Other	For the output of reports, e.g. Sheet Metal cost calculations, you require Microsoft Office Version 2010 or higher

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:	Fujitsu Desktop ESPRIMO P958/power
Processor (CPU):	Intel® Core™ i7-9700 Processor, 12 MB, 3.00 GHz bis 4.7 GHz or equivalent processor 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:	4 x 8 GB, DDR4, 2.400 MHz (inkl. ECC) If you work with very large CAD drawings you should use computers with more RAM.
Hard disk:	1 x 512 GB, SSD M.2, 2,5 inches
Graphics card:	NVIDIA Quadro P1000 (4 GB) oder AMD WX3100 (4 GB)

Examples of suitable hardware components for HiCAD *	
Screen resolution:	1920x1080 Full HD When working with a high screen resolution, resizing text ("Enlarge Text") is not recommended.
Operating system:	Microsoft Windows 10 (64Bit)
Other:	For the output of reports, e.g. Sheet Metal cost calculations, you require Microsoft Office Version 2010 or higher.

* When using the HiCAD Point Cloud module, you will need a significantly higher hardware configuration. This also depends on the size of the project.

The interfaces that are available for the HELiOS Client are listed in a 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 outgoing connections; for the Windows Firewall, the port release is executed automatically by activating the respective option in the installation program of the License Server.
- 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.

System Requirements for Point Clouds

The system requirements depend on the project size. For a project with 26 scan positions, a computer with Intel Core i7-6920HQ CPU @ 2.90 GHz (4 physical cores), 32 GB RAM, NVIDIA Quadro M2000 (4 GB memory) and 1 TB SSD works adequately.

Recommended hardware equipment when using the HiCAD Point Cloud module	
Processor (CPU):	Intel Core i7/i9/Xeon with more than 3 GHz, 8 physical cores or AMD equivalent
Main memory:	64 GB RAM
Hard disk:	1 TB Solid State Drive + regular HDD
Graphics card:	Dedicated, i.e. separately integrated, graphics card, OpenGL 4.3 or higher, at least 16 GB RAM
Operating system:	Microsoft Windows 10 (64Bit)

**Please note:**

Please note that the import of point clouds requires more RAM than using the point cloud in HiCAD.

Legal notes

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ISD Software und Systeme GmbH

Hauert 4
44227 Dortmund
Germany
Tel. +49 (0)231 9793-0
Fax +49 (0)231 9793-101
info@isdgroup.de

ISD Berlin

Paradiesstraße 208a
12526 Berlin
Germany
Tel. +49 (0)30 634178-0
Fax +49 (0)30 634178-10
berlin@isdgroup.de

ISD Austria GmbH

Hafenstraße 47-51
4020 Linz
Austria
Tel. +43 (0)732 21 04 22-0
Fax +43 (0)732 21 04 22-29
info@isdgroup.at

ISD Hamburg

Strawinskystraße 2
25337 Elmshorn
Germany
Tel. +49 (0)4121 740980
Fax +49 (0)4121 4613261
hamburg@isdgroup.de

ISD Benelux b.v.

Het Zuiderkruis 33
5215 MV 's-Hertogenbosch
The Netherlands
Tel. +31 (0)73 6153-888
Fax +31 (0)73 6153-899
info@isdgroup.nl

ISD Hannover

Hamburger Allee 24
30161 Hanover
Germany
Tel. +49 (0)511 616803-40
Fax +49 (0)511 616803-41
hannover@isdgroup.de

ISD Benelux b.v.

Grote Voort 293A
8041 BL Zwolle
The Netherlands
Tel. +31 (0)73 6153-888
Fax +31 (0)73 6153-899
info@isdgroup.nl

ISD Nürnberg

Nordostpark 7
90411 Nuremberg
Germany
Tel. +49 (0)911 95173-0
Fax +49 (0)911 95173-10
nuernberg@isdgroup.de

ISD Schweiz AG

Rosenweg 2
4500 Solothurn
Switzerland
Tel. +41 (0)32 624 13-40
Fax +41 (0)32 624 13-42
info@isdgroup.ch

ISD Ulm

Wilhelmstraße 25
89073 Ulm
Germany
Tel. +49 (0)731 96855-0
Fax +49 (0)731 96855-10
ulm@isdgroup.de

www.isdgroup.com