



3CAD Evolution – Requirements

Hardware	Minimum	Recommended
Operating system	Windows 10 (64 bit), Windows 11	Windows 10 (64 bit), Windows 11
Processor	IntelR Core™ i7	IntelR Core™ i7, i9
RAM Memory	16 GB	16/32 GB
Supported graphics cards	Intel, Nvidia, AMD 2 GB memory (nVidia quadro not supported)	Intel, Nvidia, AMD 4 GB memory or more (nVidia quadro not supported)
Hard disk	SSD 256	SSD 512

Graphic engine requirements:

3CAD Evolution uses a 3D graphic engine designed for speed and performance.

To achieve these targets, the engine is heavily dependent on the characteristics of the new-generation graphics cards.

There is an enormous difference in terms of performance between a good-quality graphics card and a second-rate one. This can dramatically affect speed, design quality, printing quality and speed (which also depends on the graphics card), and graphic effects.

Hardware and software requirements:

3CAD Evolution has been designed to work on PCs with Microsoft Windows and it requires the installation of a **SQL Server** database. For this reason, the MSDE and SQL Express free versions (MSDE and SQL Express) and the 2012, 2014, 2016, 2017, and 2019 professional versions of the **Microsoft SQL Server (MSSQL)** are supported.

Since the access to the database is linked to the specifications of the MSSQL, especially for the intense use of the **TRANSACT-SQL**, it is not possible to use a database that is not Microsoft such as MySQL or Oracle, because they are not compatible with **TRANSACT-SQL** dialect.

An existing session of MSSQL cannot be used if it has been installed as case-sensitive, in this case, it is necessary to install a new MSSQL session. However, it is recommended to have an MSSQL session for **3CAD Evolution** usage not mixing it with other company ERP databases. It is possible to link the **3CAD Evolution** company database to other company databases, whether they operate in MSSQL environments or not.

3CAD Evolution is based on Microsoft .NET Framework 4.8, required during the installation.

Network requirements:

If you run **3CAD Evolution** in a network, all network cables, routers, switches, and other devices must have enough bandwidth (1 Gb/sec is recommended; the minimum is 100 Mb/sec).

It is for this reason that we strongly advise against using **3CAD Evolution** with wireless networks. DAU cannot be held responsible for the slower performance of **3CAD Evolution** due to insufficient bandwidth. **3CAD Evolution** is not designed to be installed or run on virtual environments of any kind. **3CAD Evolution** is not supported in a peer-to-peer network. The program requires a network environment with a specific server. Network-attached storage (NAS) and Cloud environment are not supported and are not comparable to a dedicated Windows server. NAS is only specialized for file sharing and does not have the same functionality as a standard server environment. Linux servers, regardless of their supplier (Samba, Red Hat, Arch, etc.), are also not supported.

Requirements to install on Apple Mac:

You can install 3CAD Evolution in Windows in dual boot on the Mac with Boot Camp. In this case, however, only one operating system can be run at a time and you can switch from Windows to Mac by restarting the computer.

Other requirements:

The following additional requirement is necessary to **run** the program:

- administrator rights.

The following requirements are necessary to successfully **install** the program:

- administrator rights;
- internet connection;
- exclusion of the program folder 3CAD from the antivirus;
- Internet Explorer 11 installed;
- Windows updated at the latest available version.

To date, 3CAD Evolution is compatible with most antivirus software except Kaspersky.



3CAD Evolution – Requirements to install on server

Hardware	Minimum	Recommended
Operating system	Windows SERVER 2019 or 2022	Windows SERVER 2019 or 2022
Processor	4 CPU	8 CPU
RAM Memory	16 GB	32 GB
Hard disk	200 GB HDD (15000rpm) or SSD	500 GB HDD (15000rpm) or SSD
SQL	SQL Express 2016/2019 or Standard Edition	SQL 2016/2019 or Standard Edition