ESKO

ArtiosCAD Minimum System Requirements

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These are the minimum requirements for reasonable performance of the described products. They will help you decide whether the equipment you are currently using remains viable. If you are considering new equipment, bear in mind that these requirements are minimum, not optimal. Exceeding these specifications will in general lead to enhanced performance.

ArtiosCAD12.1.1 CAD-X12.1.1

Operating System

- **Windows 8. ArtiosCAD 12.1 will install and run on Windows 8 as a standard Windows application. See Release Notes.**
- **Windows Server 2012. Same as windows 8.**
- **Windows 7 Professional 32 & 64-bit with limitations. See Release Notes. Please note the Home and Ultimate editions should work as well, but it was the Home edition that was fully certified.**
- **Windows Server 2008, 2008 r2 (64-bit) with limitations. See Release Notes.**
- **Windows Vista Business Edition with limitations 32/64 See Release Notes.**
- **Mac OS® X 10.6+/VMWare Fusion v5.x running on an Intel® Mac with limitations. Direct3D is the preferred 3D rendering mode.**
- **The following platforms may be used in an *experimental* mode. They have been tested to a certain point but have not been certified for this release:**
    - **Mac Bootcamp**

Decertifications

- **Windows XP, Windows server 2003.**
    - **ArtiosCAD 12.1 will still install on windows the OSs but there will be no maintenance provided for these OSs.**
    - **The default database is now SQL Server Express 2012, which will not install on Windows XP nor Windows Server 2003, so for new installations, Windows XP and Windows Server 2003 should not be the platforms of choice for server or standalone machines.**
    - **Existing Windows XP or windows server 2003 systems configured as a client to a database located somewhere else in the network or already using an earlier version of SQL Server Express will still function.**
    - **ArtiosIO does not run on any windows version greater than Vista (Server editions included) so still need xp machine**
        - **ArtiosIO is used for 2 way communication machines… IPC-controller Datatechs, some hpgl plotters**

Operating system patches

WindowsXPsp2,andWindowsserver2003… http://support.microsoft.com/kb/319740 **This patch will prevent resource leaks when using ArtiosCAD**

Vista Business Edition… http://go.microsoft.com/fwlink/?LinkID=82148
This patch will install the help environment for running ArtiosCAD help

CPU

- **Architecture**
    - **To fully take advantage of the *3D Data Exchange* module, x86 64-bit processors will be recommended, especially for importing multi-hundred Mbyte files. You will need to consider the 64-bit processors for future releases of ArtiosCAD.**
    - **ArtiosCAD is still a 32-bit application. All other uses other than *3D Data Exchange* modules will require at a minimum x86 32-bit processor. ArtiosCAD will still run on a 64-bit processor but as a 32-bit application.**
- **Performance**
    - **Intel® Core 2 Duo: 2.4 GHz, 2.4 GHz, required**

Memory

4G required

Disk Space

5 GB for the ArtiosCAD application and 500 MB available on the system partition

If using the ArtiosCAD enterprise client, please reserve an additional 30G for the ArtiosCAD application, including the local cache, and 500M available on the system partition. If workspaces are large and/or the cache contents are not purged regularly, you should consider more than 30G for the local disk.

Network

TCP/IP v4 required, TCP/IP v6 not supported

ArtiosCAD Enterprise 12 utilizes http as its core communication protocol. For optimal performance, do not drop http to a lower quality of service (QOS), or at least ensure http traffic directed to the enterprise web server received higher network priority.

For multiSite enterprise deployments, where a site will communicate with the enterprise frameworks at WAN speeds:

- T1 (1.544 Mbits/s) is required, T3 (44Mbits/s) is optimal
- Due to costs, it should be expected that fractional T1s may be deployed, but expect lower performance.

Display

1024X768, High Color (16 bit) minimum display

Display Adapter

ArtiosCAD 3D module requires a display adapter that is OpenGL and Direct-X compliant
ArtiosCAD 3D Designer, 3D Connection, and Animation require a display adapter with 256 MB or more video RAM.

The better the card, the better the 3D experience.

512M +optimal for lightweight 3D uses
1G+ for solid imports, animation

If CAD-X is used in a server environment, the graphics card still must match the memory requirement above. Server-class machines generally do not have high quality or memory graphics cards as standard issue.

I/O Ports

USB port for optional ArtiosCAD Rubber Nesting feature if purchased

Mouse

3 button (2 button can be used with feature limitations)

Database

For the standard edition, ArtiosCAD installs Microsoft® SQL Server 2012 Express 64-bit Edition by default for new installations.

A localized SQL Server express 2012 must be installed on the same localized operating system. This means a German SQL Server 2012 must be installed on a German OS. A German SQL Server 2012 can *not* be installed on a French OS.

There are some exceptions:

- English SQL Server 2012 can be installed on any localized OS.
- A localized SQL Server 2012 can be installed on an English OS provided the MUI pack has been configured properly.

See http://msdn.microsoft.com/en-us/library/ee210665.aspx for specific details.

If you are a new customer running on a 32-bit operating system/machine, you will need to download SQL Server Express 2012

32-bit edition from Microsoft and manually install and configure *before* ArtiosCAD can be installed. The dba must create an instance called *Esko*, set the *sa* password to *Oicu812!* , create a case-insensitive database called *ArtiosCADdb*, and an ODBC entry called *ArtiosCAD* pointing to the *Esko* instance.

***Before* installing SQL Server 2012 on the database server, ensure the OS is on the latest service pack and has all windows updates applied. SQL Server 2012 will reach out to the MS download site and ensure all the latest components are installed. Failure to keep the database server up to date will result in a very long SQL Server 2012 installation time.**

ArtiosCAD also supports:
Microsoft® SQL Server 2008, including 64-bit version[2]
Microsoft® SQL Server 2005, including 64-bit version[2]
Oracle® versions 9i or greater[3]

Notes

Normal installation of ArtiosCAD products requires access to a DVD drive.

Typical ArtiosCAD installations can be Standalone (meaning no other systems are required for ArtiosCAD to work and no configurations are shared), Server (meaning it shares configuration, database, and license files with other machines on the network), or Standard Client (meaning it gets its configuration and license information from an ArtiosCAD Server on the network and shares a common database residing on that server). Custom installation allows distribution of ArtiosCAD Server functions to two or three machines.

Where the SafeNet® Sentinel® Superpro Driver is used to license ArtiosCAD it is required that a security dongle be placed on an ISA Parallel port or a USB port. PCI parallel ports, USB to parallel converters, etc. are not supported with the parallel key option.

[1] Offical support of Microsoft® Window® 2000 has expired with the release of ArtiosCAD 7.4.

[2] Support of Microsoft® SQL Server 2000 and MSDE will expire after the release of ArtiosCAD 12.1

[3] Support of Microsoft® SQL Server 7 has expired with the release of ArtiosCAD 7.4.

[4] Support of Oracle® 7.3.2, 8, and 8i has expired with the release of ArtiosCAD 7.4