Autodesk® AutoCAD® 2020 - including specialized toolsets

System requirements

Supported operating systems
- Microsoft® Windows® 7 SP1 with Update KB4019990 (64-bit only)
- Microsoft® Windows® 8.1 with Update KB2919355 (64-bit only)
- Microsoft® Windows® 10 (64-bit only) (version 1803 or higher)

Browser
- Google Chrome (for AutoCAD web app)

Processor

Basic
- 2.5-2.9 GHz processor

Recommended
- 3+ GHz processor

Network

Deployment via Deployment Wizard.

The license server and all workstations that will run applications dependent on network licensing must run TCP/IP protocol.

Either Microsoft® or Novell TCP/IP protocol stacks are acceptable. Primary login on workstations may be Netware or Windows.

In addition to operating systems supported for the application, the license server will run on the Windows Server® 2016, Windows Server 2012, and Windows Server 2012 R2 editions.

Hardware

Memory

Basic
- 8 GB

Recommended
- 16 GB

Display resolution
Conventional Displays:
1920x1080 with True Color

High Resolution & 4K Displays:
Resolutions up to 3840x2160 supported on Windows 10, 64 bit systems (with capable display card)

Hardware (continued)

Disk space
6.0 GB

Pointing device
MS-Mouse compliant

Multiple processors
Supported by the application

Display card

Basic
• 1 GB GPU with 29 GB/s Bandwidth and DirectX11 compliant
Recommended
• 4 GB GPU with 106 GB/s Bandwidth and DirectX11 compliant

Plotter/Printer
Continued system printer and HDI support

Compiler
Visual Studio 2017 with Update 2 (version 15.7.5 and earlier)

Installer
MSI 5.0

Builds
Locked–FLEXnet

Locking/License management
FLEXnet & Autodesk Licensing Service will be used for both the stand-alone and networked versions

Side-by-side install
Supported

Additional requirements for large datasets, point clouds, and 3D modeling
• 8 GB RAM or more
• 6 GB free hard disk available not including installation requirements
• 1920x1080 or greater True color video display adapter; 128 MB VRAM or greater, Pixel Shader 3.0 or greater, Direct3D® capable workstation class graphics card.

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Software

Languages
English, French, Italian, German, Spanish, Portuguese, Japanese, Korean, Traditional Chinese, Simplified Chinese, Czech, Polish, Hungarian, Russian
*AutoCAD specialized toolsets may not support all above languages

File format changes
No

Save as support
AutoCAD R14, AutoCAD 2000, AutoCAD 2004, AutoCAD 2007, AutoCAD 2010, AutoCAD 2013, AutoCAD 2018.
EMR has the same formats as Commercial AutoCAD, with the exception of AutoCAD 2000/LT2000 Drawing
*AutoCAD Architecture and AutoCAD MEP do not support Save As

DXF support
AutoCAD R12, AutoCAD 2000, AutoCAD 2004, AutoCAD 2007, AutoCAD 2010, AutoCAD 2013, AutoCAD 2018

API compatibility
ARX: Yes (source and binary)
LISP: Yes (source and binary)
.NET: Yes (source and binary)
Javascript: Yes (source and binary)

Script compatibility
Yes

Security (DWG)
Supports digital signatures.

Drawing size support
Full DWG compression

Object interoperability (non-AutoCAD object model)
New objects may require new enablers.

.NET Framework
.NET Framework Version 4.7 or later

*DirectX11 recommended by supported OS

Specialized Toolsets

Toolset	Additional Requirements
Plant 3D	• Disk Space: 8GB • .NET Framework Version 4.7.2
Map 3D	• Disk Space: 16GB • Memory: 16GB • Database & FDO Requirements (see below)
Architecture	Disk Space: 10GB
Mechanical	No additional requirements
Electrical	Disk Space: 12GB
MEP	Disk Space: 12GB

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Map 3D Additional Requirements

FDO Provider Requirements		
FDO Provider	**Certified with**	**Notes**
Microsoft SQL Server	Microsoft SQL Server 2014 Standard and Enterprise Editions Microsoft SQL Server 2016 Standard and Enterprise Editions Microsoft SQL Server 2017 Standard and Enterprise Editions	Industry models also support the versions of Microsoft SQL Server listed on the left.
Oracle 11g Release 2	Oracle 11.2.0.4.0 Oracle Express, Standard, and Enterprise Editions	Industry models support the same Oracle versions as listed on the left.
Oracle 12c Release 1	Oracle 12.1.0.2.0 Standard Edition and Enterprise Edition	
Oracle 12c Release 2	Oracle 12.2.0.1.0 Standard Edition and Enterprise Edition	
Oracle 18c	Oracle 18.3 Enterprise Edition and Standard Edition 2	
Raster	DEM, JPG2K, DTED, MrSID®, ECW, PNG, ESRI® Grid, TIFF, JPEG, ESRI® ASCII	
Autodesk SDF	3.0	
ESRI ArcSDE	ArcSDE 10.2	This provider requires ESRI licensed components to be installed on client system. Required components depend on the type of connection (SDE Service or Direct Connect).
ESRI ArcGIS	ArcGIS® 10.6.1 ArcGIS 10.5 ArcGIS 10.4	This provider requires ESRI licensed components to be installed on client system.
MySQL	8.0	
ODBC	The FDO ODBC provider has been tested with corresponding versions of ODBC drivers that are shipped with the relevant supported operating systems version.	
OGC WMS	WMS 1.3.0	
OGC WFS	WFS 2.0.0	
SQLite	SQLite 3.6	
PostgreSQL	PostgreSQL 9.5 + PostGIS 2.2	

ODBC Drivers	Tested Versions
Microsoft® Access® Driver (*.mdb, *.accdb)	Microsoft Access database engine 2016(English) 16.00.4513.1000
Microsoft® Excel® Driver (*.xls, *.xlsx, *.xlsm, *.xlsb)	Microsoft Access database engine 2016(English) 16.00.4513.1000
MySQL® ODBC 8.0 Driver	8.00.13.00
SQL Server	10.00.14393
Oracle® in OraClient18Home1	18.00.00.00

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See Also:

Certified hardware for AutoCAD - Use this tool to find recommended graphics hardware and drivers. Autodesk tests graphics hardware and drivers for a number of Autodesk products. Please note that not all Autodesk products participate in graphic hardware certification. AutoCAD Certified Hardware FAQ

32-Bit Discontinuation - Starting with AutoCAD 2020, there will no longer be a 32-bit offering for AutoCAD. Learn more about 32-bit discontinuation on the Autodesk Knowledge Network.

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