

System requirements for AutoCAD 2023 including Specialized Toolsets

System requirements for AutoCAD 2023 including Specialized Toolsets (Windows)	
Operating System	64-bit Microsoft® Windows® 11 and Windows 10 version 1809 or above. See Autodesk's Product Support Lifecycle for support information.
Processor	Basic: 2.5–2.9 GHz processor (base) ARM Processors are not supported. Recommended: 3+ GHz processor (base), 4+ GHz (turbo)
Memory	Basic: 8 GB Recommended: 16 GB
Display Resolution	Conventional Displays: 1920 x 1080 with True Color High Resolution & 4K Displays: Resolutions up to Resolutions up to 3840 x 2160 (with capable display card)
Display Card	Basic: 1 GB GPU with 29 GB/s Bandwidth and DirectX 11 compliant Recommended: 4 GB GPU with 106 GB/s Bandwidth and DirectX 12 compliant
Disk Space	10.0 GB (suggested SSD)
Network	See Autodesk Network License Manager for Windows
Pointing Device	MS-Mouse compliant
.NET Framework	.NET Framework version 4.8 or later

System requirements for AutoCAD 2023 for Mac	
Operating System	Apple® macOS® Monterey v12 Apple macOS Big Sur v11 Apple macOS Catalina v10.15
Model	Basic: Apple Mac Pro® 4.1, MacBook Pro 5.1, iMac® 8.1, Mac mini® 3.1, MacBook Air®, MacBook® 5.1 Recommended: Apple Mac® models supporting Metal Graphics Engine Apple Mac models with M series chip are supported under Rosetta 2 mode.
CPU Type	64-bit Intel CPU Apple M series CPU
Memory	Basic: 4GB Recommended: 8GB or higher
Display Resolution	Basic: 1280 x 800 display High Resolution: 2880 x 1800 with Retina Display
Disk Space	5 GB free disk space for download and installation
Pointing Device	Apple-compliant Mouse, Apple-compliant Trackpad, Microsoft-compliant mouse
Display Card	Recommended: Mac native installed graphics cards
Disk Format	APFS, APFS(Encrypted), Mac OS Extended (Journaled), Mac OS Extended (Journaled, Encrypted)

Additional Requirements for large datasets, point clouds, and 3D modeling	
Memory	16 GB RAM or more
Disk Space	6 GB free hard disk available, not including installation requirements
Display Card	3840 x 2160 (4K) or greater True Color video display adapter; 8 GB VRAM or greater; Pixel Shader 3.0 or greater; DirectX-capable workstation class graphics card.

Specialized Toolsets (Windows Only)

Toolset	Additional Requirements
AutoCAD Map 3D	Disk Space: 20GB Memory: 16GB Database & FDO Requirements (see below)
AutoCAD Electrical	Disk Space: 20GB Microsoft Access Database Engine 2016 Redistributable (x64) (16.0.5044.1000) or later
AutoCAD Architecture	Disk Space: 20GB Memory: 16GB
AutoCAD MEP	Disk Space: 21GB Memory: 16GB
AutoCAD Plant 3D	Disk Space: 12GB
AutoCAD Mechanical	Disk Space: 12GB
AutoCAD Raster Design	Disk Space: 1GB

AutoCAD Map 3D Additional Requirements (Windows Only)

FDO Provider Requirements		
FDO Provider	Certified With	Notes
Microsoft SQL Server	Microsoft SQL Server 2017 Standard and Enterprise Editions Microsoft SQL Server 2019 Standard and Enterprise Editions	Industry Models also support the versions of Microsoft SQL Server listed on the left.
Oracle 12c Release 2	Oracle 12.2.0.1.0 Standard Edition and Enterprise Edition	Industry Models support the same Oracle versions as listed on the left.
Oracle 18c	Oracle 18.3 Enterprise Edition and Standard Edition 2	Industry Models support the same Oracle versions as listed on the left.
Oracle 19c	Oracle 19.3 Enterprise Edition and Standard Edition 2	Industry Models support the same Oracle versions as listed on the left.
Oracle 21c	Oracle 21.3 Enterprise Edition and Standard Edition 2	Industry Models support the same Oracle versions as listed on the left.
Raster	DEM, JPG2K, DTED, MrSID®, ECW, PNG, ESRI® Grid, TIFF, JPEG, ESRI® ASCII	
Autodesk SDF	3.0	

FDO Provider Requirements		
FDO Provider	Certified With	Notes
ESRI ArcGIS	ArcGIS® 10.8.1 ArcGIS 10.7.1 ArcGIS 10.6.1	This Provider requires ESRI licensed components (ArcGIS Engine/ArcGIS Desktop) to be installed on Map 3D installed 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 WMTS	WMS 1.0.0	
OGC WFS	WFS 2.0.0	
SQLite	SQLite 3.27.2	
PostgreSQL	PostgreSQL 13.5 + PostGIS 3.0	

ODBC Drivers	Tested Versions
Microsoft® Access® Driver (*.mdb, *.accdb)	Microsoft Access database engine 2016 (English) 16.00.4999.1000
Microsoft® Excel® Driver (*.xls, *.xlsx, *.xlsm, *.xlsb)	Microsoft Access database engine 2016 (English) 16.00.4999.1000
MySQL® ODBC 8.0 Driver	8.00.27.00
SQL Server®	10.00.19041.01
Oracle® in OraClient21Home1	21.00.00.00