

# System requirements for AutoCAD 2024 including Specialized Toolsets

## Autodesk Support

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#### System requirements for AutoCAD 2024 including Specialized Toolsets (Windows)

<b>Operating System</b>	64-bit Microsoft® Windows® 11 and Windows 10 version 1809 or above. See Autodesk's <a href="#">Product Support Lifecycle</a> for support information.
<b>Processor</b>	<b>Basic:</b> 2.5–2.9 GHz processor (base) ARM Processors are not supported. <b>Recommended:</b> 3+ GHz processor (base), 4+ GHz (turbo)
<b>Memory</b>	<b>Basic:</b> 8 GB <b>Recommended:</b> 32 GB
<b>Display Resolution</b>	<b>Conventional Displays:</b> 1920 x 1080 with True Color <b>High Resolution Displays:</b>

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#### Display Card

**Basic:** 2 GB GPU with 29 GB/s Bandwidth and DirectX 11 compliant  
**Recommended:** 8 GB GPU with 106 GB/s Bandwidth and DirectX 12 compliant

DirectX 12 with Feature Level 12\_0 is required for Shaded(Fast) and Shaded with edges(Fast) visual styles. Please be sure to use the latest video card manufacturer drivers from their website.

**Note:** AutoCAD uses your computer's display operations including but not limited to view text/linetype generation. It is recommended dedicated VRAM to support these operations.

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**Disk Space** 10.0 GB (suggested SSD)



### System requirements for AutoCAD 2024 including Specialized Toolsets (Windows)

<b>Network</b>	See <a href="#">Autodesk Network License Manager for Windows</a>
<b>Pointing Device</b>	MS-Mouse compliant
<b>.NET Framework</b>	.NET Framework version 4.8 or later

### System requirements for AutoCAD 2024 for Mac

<b>Operating System</b>	Apple® macOS® Ventura v13 Apple macOS Monterey v12 Apple macOS Big Sur v11
<b>Model</b>	Apple Mac® computers compatible with macOS Big Sur or above <b>Recommended:</b> Apple Mac models supporting Metal Graphics Engine
<b>CPU Type</b>	64-bit Intel CPU Apple M series CPU
<b>Memory</b>	<b>Basic:</b> 4GB <b>Recommended:</b> 8GB or higher
<b>Display Resolution</b>	<b>Basic:</b> 1280 x 800 display <b>High Resolution:</b> 2880 x 1800 with Retina Display
<b>Disk Space</b>	6 GB free disk space for download and installation
<b>Pointing Device</b>	Apple-compliant Mouse, Apple-compliant Trackpad, Microsoft-compliant mouse
<b>Display Card</b>	<b>Recommended:</b> Mac native installed graphics cards
<b>Disk Format</b>	APFS, APFS(Encrypted), Mac OS Extended (Journaled), Mac OS Extended (Journaled, Encrypted)

### Additional Requirements for large datasets, point clouds, and 3D modeling

<b>Memory</b>	16 GB RAM or more
<b>Disk Space</b>	6 GB free hard disk available, not including installation requirements
<b>Display Card</b>	3840 x 2160 (4K) or greater True Color video display adapter; 12GB VRAM or greater; Pixel Shader 3.0 or greater; DirectX-capable workstation class graphics card.

## Specialized Toolsets (Windows Only)

Toolset	Additional Requirements
<b>AutoCAD Map 3D</b>	Disk Space: 20GB Memory: 16GB Database & FDO Requirements (see below)
<b>AutoCAD Electrical</b>	Disk Space: 20GB Microsoft Access Database Engine 2016 Redistributable (x64) (16.0.5044.1000) or later, unless Microsoft Office 2016 (x64) or later is already installed.
<b>AutoCAD Architecture</b>	Disk Space: 20GB Memory: 16GB
<b>AutoCAD MEP</b>	Disk Space: 21GB Memory: 16GB
<b>AutoCAD Plant 3D</b>	Disk Space: 12GB Memory (recommended for 3D modeling): 32GB
<b>AutoCAD Mechanical</b>	Disk Space: 12GB
<b>AutoCAD Raster Design</b>	Disk Space: 1GB

## AutoCAD Map 3D Additional Requirements (Windows Only)

FDO Provider Requirements		
FDO Provider	Certified With	Notes
<b>Microsoft SQL Server</b>	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. This provider requires the Microsoft ODBC Driver 17 for SQL Server (v17.10.2) to be installed. Driver can be downloaded from the <a href="#">Microsoft website</a> .
<b>Oracle 12c Release 2</b>	Oracle 12.2.0.1.0 Standard Edition and Enterprise Edition 2	Industry Models support the same Oracle versions as listed on the left.
<b>Oracle 19c</b>	Oracle 19.3 Enterprise Edition and Standard Edition 2	Industry Models support the same Oracle versions as listed on the left.
<b>Oracle 21c</b>	Oracle 21.3	Industry Models support the same

<b>FDO Provider Requirements</b>		
<b>FDO Provider</b>	<b>Certified With</b>	<b>Notes</b>
	Enterprise Edition and Standard Edition 2	Oracle versions as listed on the left.
<b>Raster</b>	DEM, JPG2K, DTED, MrSID <sup>®</sup> , ECW, PNG, ESRI <sup>®</sup> Grid, TIFF, JPEG, ESRI <sup>®</sup> ASCII	
<b>Autodesk SDF</b>	3.0	
<b>ESRI ArcGIS</b>	ArcGIS <sup>®</sup> 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.
<b>MySQL</b>	8.0	
<b>ODBC</b>	The FDO ODBC provider has been tested with corresponding versions of ODBC drivers that are shipped with the relevant supported operating systems version.	
<b>OGC WMS</b>	WMS 1.3.0	
<b>OGC WMTS</b>	WMTS 1.0.0	
<b>OGC WFS</b>	WFS 2.0.0	
<b>SQLite</b>	SQLite 3.27.2	
<b>PostgreSQL</b>	PostgreSQL 13.9 + PostGIS 3.0	

<b>ODBC Drivers</b>	<b>Tested Versions</b>
Microsoft <sup>®</sup> Access <sup>®</sup> Driver (*.mdb, *.accdb)	Microsoft Access database engine 2016 (English) 16.00.4999.1000
Microsoft <sup>®</sup> Excel <sup>®</sup> Driver (*.xls, *xlsx, *.xlsm, *.xlsb)	Microsoft Access database engine 2016 (English) 16.00.4999.1000
MySQL <sup>®</sup> ODBC 8.0 Driver	8.00.31.00
SQL Server <sup>®</sup>	10.00.22000.01
Oracle <sup>®</sup> in OraClient21Home1	21.00.00.00

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