

## AUTOCAD 2019 SYSTEM REQUIREMENTS

### CONTENTS

1. System requirements for AutoCAD 2019 including Specialized Toolsets .....	2
2. Additional Requirements for large datasets, point clouds, and 3D modeling .....	3
3. Specialized Toolsets .....	3
4. AutoCAD Map 3D Additional Requirements .....	4

1. SYSTEM REQUIREMENTS FOR AUTOCAD 2019 INCLUDING SPECIALIZED TOOLSETS	
<b>Operating System</b>	<ul style="list-style-type: none"> <li>• Microsoft® Windows® 7 SP1 with Update <a href="#">KB4019990</a> (32-bit &amp; 64-bit)</li> <li>• Microsoft Windows 8.1 with Update <a href="#">KB2919355</a> (32-bit &amp; 64-bit)</li> <li>• Microsoft Windows 10 Anniversary Update (64-bit only) (version 1607 or higher)</li> </ul>
<b>Processor</b>	<p><b>Basic:</b> 2.5–2.9 GHz processor  <b>Recommended:</b> 3+ GHz processor</p>
<b>Memory</b>	<p><b>Basic:</b> 8 GB  <b>Recommended:</b> 16 GB</p>
<b>Display Resolution</b>	<p><b>Conventional Displays:</b>            1920 x 1080 with True Color</p> <p><b>High Resolution &amp; 4K Displays:</b>            Resolutions up to 3840 x 2160 supported on Windows 10, 64 bit systems (with capable display card)</p>
<b>Display Card</b>	<p><b>Basic:</b> 1 GB GPU with 29 GB/s Bandwidth and DirectX 11 compliant  <b>Recommended:</b> 4 GB GPU with 106 GB/s Bandwidth and DirectX 11 compliant</p>
<b>Disk Space</b>	6.0 GB
<b>Browser</b>	Google Chrome™
<b>Network</b>	<p>Deployment via Deployment Wizard.</p> <p>The license server and all workstations that will run applications dependent on network licensing must run TCP/IP protocol.</p> <p>Either Microsoft® or Novell TCP/IP protocol stacks are acceptable. Primary login on workstations may be Netware or Windows.</p> <p>In addition to operating systems supported for the application, the license server will run on the Windows Server® 2016, Windows Server 2012, Windows Server 2012 R2, and Windows Server 2008 R2 editions.</p> <p>Citrix® XenApp™ 7.6, Citrix® XenDesktop™ 7.6.</p>
<b>Pointing Device</b>	MS-Mouse compliant
<b>.NET Framework</b>	.NET Framework Version 4.7

## 2. ADDITIONAL REQUIREMENTS FOR LARGE DATASETS, POINT CLOUDS, AND 3D MODELING

<b>Memory</b>	8 GB RAM or more
<b>Disk Space</b>	6 GB free hard disk available, not including installation requirements
<b>Display Card</b>	1920 x 1080 or greater True Color video display adapter; 128 MB VRAM or greater; Pixel Shader 3.0 or greater; Direct3D®-capable workstation class graphics card.

**Note:** 64-bit Operating Systems are recommended if you are working with large datasets, point clouds and 3D modeling and required if you are using Model Documentation or Point Clouds.

## 3. SPECIALIZED TOOLSETS

Toolset	Additional Requirements
<b><u>AutoCAD Plant 3D</u></b>	<ul style="list-style-type: none"> <li>• Disk Space: 8GB</li> <li>• 64-Bit OS Only</li> </ul>
<b><u>AutoCAD Map 3D</u></b>	<ul style="list-style-type: none"> <li>• Disk Space: 16GB</li> <li>• Memory: 16GB</li> <li>• 64-Bit OS Only</li> <li>• Database &amp; FDO Requirements (see below)</li> </ul>
<b><u>AutoCAD Architecture</u></b>	Disk Space: 10GB
<b><u>AutoCAD Electrical</u></b>	Disk Space: 12GB
<b><u>AutoCAD MEP</u></b>	Disk Space: 12GB
<b><u>AutoCAD Mechanical</u></b>	No additional requirements
<b><u>AutoCAD Raster Design</u></b>	No additional requirements

## 4. AUTOCAD MAP 3D ADDITIONAL REQUIREMENTS

FDO Provider Requirements		
FDO Provider	Certified With	Notes
<b>Microsoft SQL Server</b>	Microsoft® SQL Server® 2008 R2 Standard and Enterprise Editions; Microsoft SQL Server 2012 Standard and Enterprise Editions; Microsoft SQL Server 2014 Standard and Enterprise Editions; Microsoft SQL Server 2016 Standard and Enterprise Editions	Industry Models also support the versions of Microsoft SQL Server listed on the left.
<b>Oracle 11g Release 2</b>	Oracle 11.2.0.4.0 Oracle Express, Standard, and Enterprise Editions	Industry Models support the same Oracle versions as listed on the left.
<b>Oracle 12c Release 1</b>	Oracle 12.1.0.2.0 Standard Edition and Enterprise Edition	Industry Models support the same Oracle versions as listed on the left.
<b>Oracle 12c Release 2</b>	Oracle 12.2.0.1.0 Standard Edition and Enterprise Edition	Industry Models support the same Oracle versions as listed on the left.
<b>Raster</b>	DEM, JPG2K, DTED, MrSID®, ECW, PNG, ESRI® Grid, TIFF, JPEG, ESTRI, ASCII	Not supported on Linux
<b>Autodesk SDF</b>	3.0	
<b>ESRI ArcSDE</b>	ArcSDE® 9.3 SP1 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)
<b>ESRI ArcGIS</b>	ARCGIS® 10.4 ARCGIS 10.3.1 ARCGIS 10.3 ARCGIS 10.2	This Provider requires ESRI licensed components to be installed on client system.
<b>MySQL</b>	5.7	
<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 WFS</b>	WFS 2.0.0	

FDO Provider Requirements		
FDO Provider	Certified With	Notes
<b>SQLite</b>	SQLite 3.6	
<b>PostgreSQL</b>	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 5.3 Driver	5.03.07.00
SQL Server®	10.00.10240.16384
Oracle® in OraClient12Home1	12.01.00.01