

System Requirements for Autodesk Civil 3D 2022

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Operating System	64-bit Microsoft® Windows® 10. See Autodesk's Product Support Lifecycle (https://knowledge.autodesk.com/customer-service/account-management/users-software/previous-versions/previous-version-support-policy) for support information.
Processor	Minimum: 2.5–2.9 GHz processor Recommended: 3+ GHz processor
Memory	Basic: 8 GB Recommended: 16 GB
Display Resolution	Conventional Displays: 1920 x 1080 with True Color High Resolution & 4K Displays: Resolutions up to 3840 x 2160 supported on Windows 10 (with capable display card)
Display Card	Basic: 1 GB GPU with 29 GB/s Bandwidth and DirectX 12 compliant Recommended: 4 GB GPU with 106 GB/s Bandwidth and DirectX 12 compliant
Disk Space	16 GB
Network	See Autodesk Network License Manager for Windows (https://knowledge.autodesk.com/search-result/caas/downloads/content/autodesk-network-license-manager-for-windows.html)
Pointing Device	MS-Mouse compliant
.NET Framework	.NET Framework Version 4.8 or later

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	3840x2160 (4K) or greater True Color video display adapter; 4 GB VRAM or greater; Pixel Shader 3.0 or greater; Direct3D®-capable workstation class graphics card.

AutoCAD Map 3D Additional Requirements (Windows Only)

FDO Provider Requirements		
FDO Provider	Certified With	Notes
Microsoft SQL Server	Microsoft SQL Server 2016 Standard and Enterprise Editions 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.
Raster	DEM, JPG2K, DTED, MrSID®, ECW, PNG, ESRI® Grid, TIFF, JPEG, ESRI® ASCII	
Autodesk SDF	3.0	
ESRI ArcGIS	ArcGIS® 10.8.1 ArcGIS 10.7.1 ArcGIS 10.6.1	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 WMTS	WMS 1.0.0	
OGC WFS	WFS 2.0.0	
SQLite	SQLite 3.27.2	
PostgreSQL	PostgreSQL 12.2 + 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	8.00.22.00
SQL Server®	10.00.18362.01
Oracle® in OraClient19Home1	19.00.00.00

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