

AutoCAD® MAP 3D VS. AUTOCAD® VS. AUTOCAD LT® 2010

Release Comparison Matrix

LEGEND	AUTOCAD MAP 3D 2010	AUTOCAD 2010	AUTOCAD LT 2010
X Unsupported Feature			
✓ Supported Feature			
USER INTERFACE			
Application Menu	✓	✓	✓
Dynamic Input	✓	✓	✓
Initial Setup	✓	✓	✓
Quick Access Toolbar	✓	✓	✓
Ribbon	✓	✓	✓
ViewCube® Feature	✓	✓	X
Workspaces	✓	✓	✓
DOCUMENT			
Dynamic Blocks	✓	✓	✓
Block Test Window	✓	✓	✓
Block Properties Table	✓	✓	✓
Tool Palettes	✓	✓	✓
QuickCalc Calculator	✓	✓	✓
Annotation Scaling	✓	✓	✓
Layer Properties per Viewport	✓	✓	✓
Nonrectangular Viewports	✓	✓	✓
Tables	✓	✓	✓
Linking Tables with Microsoft® Excel®	✓	✓	✓
Extract Attributes to a Text File	✓	✓	✓
Parametric Drawing	✓	✓	X
Constraint Parameters in Dynamic Blocks	✓	✓	X
Data Extraction to Tables (Block Attributes and Objects)	✓	✓	X

LEGEND			
X	Unsupported Feature		
✓	Supported Feature		
	AUTOCAD MAP 3D 2010	AUTOCAD 2010	AUTOCAD LT 2010
DOCUMENT			
Sheet Sets	✓	✓	X
Express Tools	✓	✓	X
Coordinate Geometry (COGO)	✓	X	X
Geodetic Distance Tool	✓	X	X
Rubbersheeting	✓	X	X
Mpolygon (GIS Polygon)	✓	X	X
DATA ANALYSIS & VISUALIZATION			
Adhoc Joins	✓	X	X
Buffering	✓	X	X
Calculated Attribute Fields	✓	X	X
Coordinate Tracker	✓	X	X
DWG™ Query	✓	X	X
Expression Evaluator	✓	X	X
Overlay	✓	X	X
Thematic Mapping	✓	X	X
Topology	✓	X	X
Draping on Surfaces	✓	X	X
DATA INTEROPERABILITY			
Coordinate System Support and Transformation	✓	X	X
Direct Read/Write Spatial Data (FDO technology)	✓	X	X
ESRI® ArcSDE® Read/Write	✓	X	X
Import ASCII Points	✓	X	X
Import/Export LandXML	✓	X	X
DWG™ Query	✓	X	X
Import and Export CAD and GIS files (e.g. SHP, SDF, TAB, GML, SDTS)	✓	X	X

LEGEND	AUTOCAD MAP 3D 2010	AUTOCAD 2010	AUTOCAD LT 2010
X Unsupported Feature			
✓ Supported Feature			
DATA INTEROPERABILITY			
Microsoft® SQL Server® 2008 Read/Write	✓	X	X
Open Source and Third Party FDO Data Provider Integration	✓	X	X
Oracle® Database Read/Write	✓	X	X
CONCEPTUAL DESIGN & 3D MODELING			
3D Solids (Create and Edit)	✓	✓	X
Free-Form Modeling	✓	✓	X
Dynamic User Coordinate System (UCS)	✓	✓	X
Work in Perspective View	✓	✓	X
Section Planes/Cuts	✓	✓	X
Flatten 3D Geometry into 2D	✓	✓	X
Interference Checking	✓	✓	X
Walk-Through Navigation	✓	✓	X
PRESENTATION			
Photorealistic Rendering	✓	✓	X
Lights (Photometric)	✓	✓	X
Materials	✓	✓	X
Cameras	✓	✓	X
Display Modes (Visual Styles, Transparency, Edge Effects)	✓	✓	X
Transparent Solids	✓	✓	X
Real-Time Shadows	✓	✓	X
Animations	✓	✓	X
Shaded/Rendered Plotted Output	✓	✓	X
Autodesk® Impression (Subscription Only)	✓	✓	X
Cartographic Stylization of DWG Data (Display Manager)	✓	X	X
Cartographic Stylization for GIS Data (FDO technology)	✓	X	X

LEGEND

- X Unsupported Feature
- ✓ Supported Feature

**AUTOCAD
MAP 3D
2010**

**AUTOCAD
2010**

**AUTOCAD
LT 2010**

DATA MANAGEMENT

	AUTOCAD MAP 3D 2010	AUTOCAD 2010	AUTOCAD LT 2010
Attribute Constraints (FDO technology)	✓	X	X
Bulk Copy	✓	X	X
Data Table	✓	X	X
Drawing Cleanup	✓	X	X
FDO User Manager	✓	X	X
Metadata	✓	X	X
Multi-user DWG Query and Editing	✓	X	X
Object Classification	✓	X	X
Classification Toolkits for Water, WasteWater, and Electric (Subscription Only)	✓	X	X
Polygon Split and Merge	✓	X	X
Point Groups	✓	X	X
Schema Editor	✓	X	X

CUSTOMIZE

	AUTOCAD MAP 3D 2010	AUTOCAD 2010	AUTOCAD LT 2010
Support for CUI Customization	✓	✓	✓
Support for LISP Applications	✓	✓	X
Support for ObjectARX® (C++, C#, and VB .NET)	✓	✓	X
Action Recorder	✓	✓	X
Workflow Designer	✓	X	X
Geospatial Application Programming Interface	✓	X	X

COMMUNICATE

	AUTOCAD MAP 3D 2010	AUTOCAD 2010	AUTOCAD LT 2010
Autodesk® Buzzsaw® Integration	✓	✓	✓
Autodesk® Seek Software	✓	✓	✓
Create Transmittal Sets	✓	✓	✓
Digital Signatures and Passwords	✓	✓	✓

LEGEND	AUTOCAD MAP 3D 2010	AUTOCAD 2010	AUTOCAD LT 2010
X Unsupported Feature			
✓ Supported Feature			
COMMUNICATE			
Communication Center	✓	✓	✓
Manage DWF™ Markups	✓	✓	✓
Map Books	✓	X	X
Publish to a Multisheet DWF File	✓	✓	✓
Publish to a Multisheet PDF File	✓	✓	✓
Publish to a Plotter	✓	✓	✓
Publish a Web Page	✓	✓	✓
Publish a 3D DWF File	✓	✓	X
Print to an STL File (for 3D printing)	✓	✓	X
Publish to Autodesk MapGuide® Enterprise Software	✓	X	X
Publish a Georeferenced DWF File	✓	X	X
Publish a DWF with attribute data	✓	X	X
Save as AutoCAD® Release 14 DWG File	✓	✓	✓
REFERENCE			
Clip an External Reference	✓	✓	✓
DGN, DWF, or PDF Underlays	✓	✓	✓
Overlay or Attach a DWG File	✓	✓	✓
Notification of Changes to External References	✓	✓	X
SOFTWARE MANAGEMENT			
Autodesk® Product Manager	✓	✓	X
Autodesk® Vault (Subscription Only)	X	✓	X
CAD Standards Tools	✓	✓	X
Citrix Ready™ Deployment	✓	X	X
Migrate Customized Settings	✓	✓	✓
Network Licensing	✓	✓	X
Portable License Utility	✓	✓	✓
Support for Multiple Profiles	✓	✓	X

LEGEND

- X Unsupported Feature
- ✓ Supported Feature

AUTOCAD MAP 3D 2010	AUTOCAD 2010	AUTOCAD LT 2010
---------------------------	-----------------	--------------------

OPERATING SYSTEM SUPPORT

Windows® XP Home Edition	X	✓	✓
Windows XP Professional (SP2)	✓	✓	✓
Windows Vista® Enterprise	✓	✓	✓
Windows Vista Ultimate	✓	✓	✓
Windows Vista Business	✓	✓	✓
Windows Vista Home Premium and Home Basic	X	✓	✓
Support for 64-Bit Operating Systems	✓	✓	✓

Autodesk Impression software is subject to the terms and conditions of the end-user license agreement that accompanies download of the AutoCAD 2010 software.

Autodesk, Autodesk Mapguide, AutoCAD, AutoCAD LT, Buzzsaw, DWF, DWG, ObjectARX, and ViewCube are registered trademarks or trademarks of Autodesk, Inc., and/or its subsidiaries and/or affiliates in the USA and/or other countries. All other brand names, product names, or trademarks belong to their respective holders. Autodesk reserves the right to alter product offerings and specifications at any time without notice, and is not responsible for typographical or graphical errors that may appear in this document.

© 2009 Autodesk, Inc. All rights reserved.