

# We're talkin' **serious** CAD Engineering Software.

- ✓ Now **blazing fast** 64 bit ready
- ✓ Easy replacement for AutoCAD®
- ✓ Saves to DWG just like AutoCAD®
- ✓ Includes Full MEP Suite (Mech-Q)
- ✓ Draws in 2D, Isometric & 3D
- ✓ Creates Bill Of Materials (BOM)
- ✓ New improved toolbar interface

With AViCAD 2017 you'll have a stable, fully functioning, easy to use, MEP CAD Software Package, complete with everything you will need at **one incredibly low price.**

## ► Requirements:

Intel Pentium®4 or more powerful processor (recommended)

Supports Microsoft Windows® XP SP2+, Vista, Windows® 7, 8 & 10 / 32 & 64-bit

512 MB RAM (minimum), 1 GB (recommended for complex drawings)

Minimum 400 MB of free hard disk space

## ► Contact Us:

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AViCAD offers a comprehensive CAD Software and Engineering package at 1/8 the price of AutoCAD®.

The bundle consists of 2D & 3D CAD software (which creates DWG files) plus Mech-Q, a set of engineering tools which contains Mechanical, Piping, HVAC and Structural design.

AViCAD not only provides you the best MEP CAD Solution but it also offers you the best AutoCAD® alternative.

Our software always saves your drawing to the standard AutoCAD® 2017 DWG format. This ensures unrivaled compatibility with AutoCAD® without any file conversion or drawing information loss. AViCAD reads and writes to all DWG format from v. 2.5 to 2017.

## ★ **Mech-Q MEP Included For Free**

Integrated full Suite of MEP Tools:

- ✓ Mechanical
- ✓ Piping
- ✓ HVAC / Ducting
- ✓ Structural

## **AEC Tools Included For Free**

Plugin for Architectural Design:

Create and edit wall and roofs  
Insert Doors & Windows

Includes stair building tool  
Plus inserts parametric blocks

## **Native 64-bit - Multicore support**

1.5 – 3 times faster than before.  
Supports even the largest DWG files.

## **AutoCAD® like interface**

Enjoy AutoCAD® like interface for editing entities (Color, Layer, Text height, Lineweights, Line Type, Geometry ...)

## **PDF DWF and JPG printing**

AViCAD 2017 Professional automatically adds virtual printers to make PDF DWF and JPG prints

## **AViCAD Express Tools**

Extra drafting tools included to improve your productivity



# ▶ More AViCAD Features:

## True 64 Bit Technology

AViCAD maximizes use of your processor and memory

## Ribbon Toolbar

AViCAD 2017 offers the new Windows Ribbon-style UE customizable through CUI files along with the Classic menu. The User may switch between the Classic and Ribbon-based menus.

## PointCloud Import – new

Import and display of PCG or ISD data files from 3D laser scanners. Speed up the design process by converting scanned data of physical products into 3D CAD geometry.

## Table Styles – new

Creation and easy formatting of Tables in the drawing based on Tables styles. Individual cells, rows, or columns formatting overrides the formatting coming from the table style.

## PDF, DGN, DWF Underlay

These file formats can be attached as an underlay to serve as a background. Object snapping to the underlay and clip support.

## 3D PDF Export

Share 3D data in the standard PDF format and create brochures, presentations, technical sheets and manuals in 3D.

## iCADLib, Block Libraries Management

The module for blocks management to handle existing libraries of symbols and blocks as well as to organize all User's blocks.

## Block Libraries

Over 22.000 ready-made blocks for various industry sectors.

## EasyArch 3D, plugin for architects

The parametric architectural plugin to increase productivity in house and interior design offers 2D/3D walls, windows, doors, stairs, roofs as well as a library of dynamic blocks for interior furnishings.

## OTrack® (Etrack)

Tracks along alignment paths that are based on object snap points. Publish command (Batch Plot) Print (or export to PDF/DWF) selected drawing layouts.

## Spline editing

Allows to delete, add and move spline points as well as to open/close splines and edit tangent start/end points.

## Multiline Style

Creation of named styles for multilines to control the number of elements and the properties of each element.

## DWG Export

Drawings can be exported into the following file formats: PDF, DWF, 3DS, DAE, STL, LWO, POV, BMP, WMF, EMF and SVG.

## DWG Converter new

The new tool facilitating the files interchange with other DWG/DXF/DNG-based CAD software. Allows to easily convert drawings between different DWG, DXF, DGN versions.

## Interoperability and compatibility new

Dramatically improved the interoperability of content between applications and compatibility for: DWG file format. Collada (.dae files) export/import. Support for DGN overlays, Civil3D, ADT and mechanical object enablers. Open .dgn files (Microstation® files) by converting them into .dwg files.

## Traceparts and Cadenas for AViCAD

iCADLib integrates Traceparts and Cadenas web portals for easy-guided usage of over 100 million of blocks.

## 3D Printing

STL export for 3D printing.

## ACIS Solids

ACIS Solids creation and editing.

## Dimension Style Manager

Creates new styles, sets the current style, modifies styles, sets overrides on the current style and compares styles.

## Solprof

2D profile image extraction from ACIS Solids.

## Context Menu

The customizable right-click context menu for selected objects.

## Print to DWF/DWFX files new

Export drawings to the standard DWF and DWFX formats using PC3 printers.

## 3D Ortho

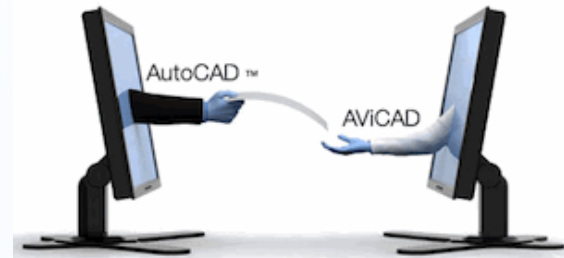
Z Ortho mode restricts the cursor to the up and down directions.

## Windows 10

Full compatibility with Windows Vista, Windows 7, Windows 8, Windows 8.1 and Windows 10 operating systems.

## Dynamic Blocks improved grips new

Grips to modify dynamic blocks, extended editing options.



## Flatshot command

Generates an accurate flat view of a 3D model.

## Helix and Loft commands

Draw 3D helical polylines and create 3D entities between several cross sections.

## AEC objects support

Display of Architectural Desktop objects exported in a DWG file.

## Google Earth™ Texture Exporting

Projects publication in Google Earth enabling materials.

## ECW, Jpeg 2000 and MrSID MG4 raster formats new

The standard wavelet compression formats optimized for aerial and satellite imagery, excellent for topography and land survey.

## Annotative Objects

Automates the sizing of annotations such as text, hatch and dimensions in multiple viewports with varying scales displayed at the correct size.

## New Advanced Polyline Grips new

Stretch, add vertex and convert the segment into arc.

## Arc Aligned Text

The ARCTEXT command enables text alignment along an existing arc object. It is handy when adding complex curved text.

## Paste Special

Insert Tables by Cut & Paste from Excel, Open Office, Libre Office.

## RGB and Index Color Value new

All color-related system variables support RGB and Indexed color.

## Raster

Display, editing, clip and polygonal clip of raster images.

## AViCAD Xref Manager

The smart interface for external references management.

## New Commands new

XOPEN, XPLODE, POLYSOLID, POINTCLOUDATTACH, BCOUNT, LAYERWALK, SELECTSIMILAR, ALIGNSPACE, VPSYNC.

## AViCAD Rendering

Features multiple lights management and materials creation/editing. Reflection, mirror, transparency, smooth shadows, customizable size bitmap output.

## Advanced Data Extraction

An easy-to-use wizard for attributes and blocks data export.

## Customization new

eCAD Professional is customizable through: LISP, SDS (C++), IRX (C++ similar to AutoCAD® ARX®), .NET API, VBA, DIESEL and COM automation.