



REQUERIMIENTOS DEL SISTEMA

AutoCAD 2011:

For 32-Bit AutoCAD 2011

- Microsoft® Windows® 7 Enterprise, Ultimate, Professional, or Home Premium ([compare Windows 7 versions](#)); Microsoft® Windows Vista® Enterprise, Business, Ultimate, or Home Premium (SP1 or later) ([compare Windows Vista versions](#)); or Microsoft® Windows® XP Professional or Home edition (SP2 or later)
- For Windows Vista or Windows 7: Intel® Pentium® 4 or AMD Athlon® dual-core processor, 3.0 GHz or higher with SSE2 technology; for Windows XP: Intel Pentium 4 or AMD Athlon dual-core processor, 1.6 GHz or higher with SSE2 technology
- 2 GB RAM
- 1.8 GB free disk space for installation
- 1,280 x 1,024 true color video display adapter 128 MB or greater, Microsoft® Direct3D®-capable workstation-class graphics card
- 1,024 x 768 display resolution with true color
- Microsoft® Internet Explorer® 7.0 or later
- Install from download or DVD

For 64-Bit AutoCAD 2011

- Microsoft Windows 7 Enterprise, Ultimate, Professional, or Home Premium ([compare Windows 7 versions](#)); Microsoft Windows Vista Enterprise, Business, or Ultimate (SP1 or later) ([compare Windows Vista versions](#)); or Microsoft Windows XP Professional (SP2 or later)
- AMD Athlon 64 with SSE2 technology, AMD Opteron® processor with SSE2 technology, Intel® Xeon® processor with Intel EM64T support and SSE2 technology, or Intel Pentium 4 with Intel EM64T support and SSE2 technology
- 2 GB RAM
- 2 GB free space for installation
- 1,280 x 1,024 true color video display adapter 128 MB or greater, Microsoft® Direct3D®-capable workstation-class graphics card
- 1,024 x 768 display resolution with true color
- Internet Explorer 7.0 or later
- Install from download or DVD

Additional Requirements for 3D Modeling (All Configurations)

- Intel Pentium 4 processor or AMD Athlon, 3 GHz or greater; or Intel or AMD dual-core processor, 2 GHz or greater
- 2 GB RAM or more
- 2 GB hard disk space available in addition to free space required for installation
- 1,280 x 1,024 true color video display adapter 128 MB or greater, Pixel Shader 3.0 or greater, Microsoft® Direct3D®-capable workstation-class graphics card

AutoCAD Architecture 2011

For 32-Bit AutoCAD Architecture 2011

- Microsoft® Windows Vista® (SP1 or later) Enterprise, Business, Ultimate, or Home Premium edition ([compare Windows Vista versions](#)), Microsoft® Windows® XP Professional or Home edition (SP2 or later), or Microsoft Windows 7 Enterprise, Ultimate, Professional, or Home Premium

- Intel® Pentium® 4 processor, 3 GHz or higher with SSE2 technology, or AMD Athlon™ processor, 3 GHz or higher with SSE2 technology
- 2 GB RAM (3 GB RAM recommended)
- 2.4 GB free disk space for default installation, or 2.6 GB for full installation
- 1,024 x 768 display with true color (1,280 x 1,024 true color recommended)
- 128 MB graphics card
- 256 MB or greater, Microsoft® Direct3D®-capable-workstation-class 3D graphics card ([currently supported graphics hardware](#))
- Microsoft® Internet Explorer® 7.0 or later
- DVD drive (for installation only)
- Optional printer or plotter, digitizer, Internet access, and network interface card

For 64-Bit AutoCAD Architecture 2011

- Microsoft Windows Vista (SP1) Enterprise, Business, or Ultimate edition (compare [Windows Vista versions](#)), or Microsoft Windows XP Professional x64 Edition (SP2 or later), or Microsoft Windows 7 Enterprise, Ultimate, Professional, or Home Premium
- AMD Athlon 64 with SSE2 technology, AMD Opteron™ with SSE2 technology, Intel Xeon® with Intel EM64T support and SSE2 technology, or Intel Pentium 4 processor with Intel EM64T support and SSE2 technology
- 2 GB RAM (4 GB RAM recommended)
- 2.6 GB free disk space for default install, 2.9 GB for full install
- 1,024 x 768 display with true color (1,280 x 1,024 true color recommended)
- 128 MB graphics card
- 256 MB or greater, Direct3D®-capable-workstation-class 3D graphics card recommended ([currently supported graphics hardware](#))
- Internet Explorer 7.0 or later
- DVD drive (for installation only)
- Optional printer or plotter, Internet access, and network interface card

AutoCAD Civil 3D 2011

For 32-Bit AutoCAD Civil 3D 2011

- Windows® 7 Enterprise, Ultimate, Professional, or Home Premium (32-bit); Windows Vista® Enterprise (SP1 or SP2, 32-bit); or Windows® XP Professional (SP3, 32-bit).
- Intel® Pentium® 4 processor or AMD Athlon, 3.0 GHz or faster; or Intel or AMD dual core processor, 2.0 GHz or faster.
- 4 GB RAM minimum recommended.
- 7 GB disk space with 2 GB free after installation.
- 1,280 x 1,024 true color video display adapter (true color) 128 MB or greater, Pixel Shader 3.0 or greater, Direct3D®-capable workstation-class graphics card. 1,600 x 1,200 or greater recommended. Multiple monitors are supported.
- Microsoft® Internet Explorer® 7.0 or later.
- DVD drive.

For 64-Bit AutoCAD Civil 3D 2011

- Windows 7 Enterprise, Ultimate, Professional, or Home Premium (64-bit); Windows Vista Enterprise, Business, Ultimate (SP1 or SP2, 64-bit); or Windows XP Professional x64 Edition (SP2, 64-bit).
- AMD Athlon 64, AMD Opteron, Intel® Xeon with Intel® EM64T support, Intel® Pentium® 4 with Intel EM64T support.
- 4 GB RAM minimum (8 GB recommended).
- 7 GB disk space with 2 GB free after installation.

- 1,280 x 1,024 true color video display adapter (true color) 128 MB or greater, Pixel Shader 3.0 or greater, Direct3D®-capable workstation-class graphics card. 1,600 x 1,200 or greater recommended. Multiple monitors are supported.
- Microsoft® Internet Explorer® 7.0 or later.
- DVD drive.

Notes:

- Microsoft® Windows® 7 is recommended.
- Microsoft® Windows Vista® offers better memory management over Microsoft® Windows® XP.
- 64-bit operating systems are recommended over 32-bit operating systems because of the larger amount of available memory for applications.

Autodesk Vault Server System Requirements

Autodesk® Vault software server components can be installed on the same computer as AutoCAD® Civil 3D® 2011 software providing the computer complies with the necessary [requirements](#).

Inventor 2011

For Windows Users

For General Part and Assembly Design (Typically Fewer than 1,000 Parts)

- Microsoft® Windows 7 (32-bit or 64-bit) Home Premium, Professional, Ultimate/Enterprise, or Microsoft® Windows Vista® (SP2) (32-bit or 64-bit) Home Basic, Home Premium, Business, Enterprise, or Ultimate, or Microsoft® Windows XP Professional (SP3) or Professional x64 Edition (SP2) (1,2)
- Intel® Pentium® 4, 2 GHz or faster, Intel® Xeon®, Intel® Core™, AMD Athlon™ 64, or AMD Opteron™, or later ⁽³⁾
- 2 GB RAM or more ⁽⁴⁾
- Microsoft® Direct3D 10® or Direct3D 9® capable graphics card ⁽⁵⁾
- DVD-ROM drive ⁽⁶⁾
- Microsoft® Mouse-compliant pointing device
- 1280 x 1024 or higher screen resolution
- Internet connection for web downloads and Subscription Aware access
- Adobe Flash Player 10 ⁽⁷⁾
- Microsoft® Internet Explorer® 6.x through 8
- Microsoft® Excel 2003 through 2007 for iComponents, thread customization, and spreadsheet-driven designs

For Complex Models, Complex Mold Assemblies, and Large Assemblies (Typically More than 1,000 Parts)

- Windows 7 64-bit, Windows Vista 64-bit (SP2), or Windows XP Professional x64 Edition (SP2)
- AMD64 or Intel® 64 processor
- 6 GB RAM or more
- CAD workstation-class graphics card

Notes

1. Autodesk® Inventor® 2011 and AutoCAD® Mechanical 2011 software applications are each provided both as 32-bit applications and as 64-bit applications for installation and use on the corresponding operating system only. Autodesk® Vault Explorer 2011 is a 32-bit application for installation and use on either a 32-bit or 64-bit operating system.
2. Autodesk Inventor/AutoCAD Mechanical design applications and Autodesk Vault must all be the same language on a given computer. English versions of these applications will run on any language operating system. Other language versions of these applications will run on operating systems of that same language.
3. Autodesk Inventor 2011 has been optimized to take advantage of the SSE2 extended instruction sets supported on Pentium 4, AMD Athlon 64, and AMD Opteron processors. Inventor 2011 will not install on computers that do not support SSE2. Several utilities are available on the Internet that report CPUID, including supported instructions sets.

4. Recommended minimum RAM for using Inventor Tooling is 3 GB. In addition, Autodesk recommends settings which allow Microsoft Windows to manage virtual memory, as needed. You should always have at least twice as much free hard disk space as system memory (RAM).
5. Please refer to the [Autodesk published graphics card information](#).
6. Inventor 2011 is available only on DVD media (or electronic download in some situations). CD media is no longer available. A DVD-ROM drive is not required if installing via electronic download. However, you will need 15 GB of hard disk space to accommodate the installation files and temporary files created during the installation.
7. The multimedia learning components of the Inventor Help system, such as the UI Video Tour, Command Reference, and Show Me animations, require Adobe® Flash® Player 10. If it is not already installed, you can [download it from the Adobe website](#).

Revit Architecture 2011

32-Bit Autodesk Revit Architecture

- Microsoft® Windows® 7 32-bit Enterprise, Ultimate, Professional, or Home Premium; Microsoft® Windows Vista® 32-bit (SP2 or later) Enterprise, Ultimate, Business, or Home Premium; or Microsoft® Windows® XP (SP2 or later) Professional or Home*
- Intel® Pentium® 4 or AMD Athlon™ dual core, 3.0 GHz (or higher) with SSE2 technology for Microsoft Windows 7 32-bit or Microsoft Windows Vista 32-bit (SP2 or later). Intel Pentium 4 or AMD Athlon dual core, 1.6 GHz (or higher) with SSE2 technology for Microsoft Windows XP (SP2 or later)
- 3 GB RAM
- 5 GB free disk space
- 1,280 x 1,024 monitor with true color
- Display adapter capable of 24-bit color for basic graphics; 256 MB DirectX® 9-capable graphics card with Shader Model 3 for advanced graphics. Find out more about recommended [graphics hardware](#).
- Microsoft® Internet Explorer® 7.0 (or later)
- Microsoft Mouse-compliant pointing device
- Download or installation from DVD
- Internet connectivity for license registration

64-Bit Autodesk Revit Architecture

- Microsoft® Windows® 7 64-bit Enterprise, Ultimate, Professional, or Home Premium; Microsoft® Windows Vista® 64-bit (SP2 or later) Enterprise, Ultimate, Business, or Home Premium; or Microsoft® Windows® XP Professional x64 edition (SP2 or later).*
- Intel® Pentium® 4 or AMD Athlon™ dual core, 3.0 GHz (or higher) with SSE2 technology for Microsoft Windows 7 64-bit or Microsoft Windows Vista 64-bit (SP2 or later). Intel Pentium 4 or AMD Athlon dual core, 1.6 GHz (or higher) with SSE2 technology for Microsoft Windows XP Professional x64 edition (SP2 or later)
- 3 GB RAM
- 5 GB free disk space
- 1,280 x 1,024 monitor with true color
- Display adapter capable of 24-bit color for basic graphics; 256 MB DirectX® 9-capable graphics card with Shader Model 3 for advanced graphics. Find out more about recommended [graphics hardware](#).
- Microsoft® Internet Explorer® 7.0 (or later)
- Microsoft Mouse-compliant pointing device
- Download or installation from DVD
- Internet connectivity for license registration



Performance Recommendations

- Microsoft® Windows® 7 64-bit Enterprise, Ultimate, Professional, or Home Premium
- Quad Core Intel® Xeon® Processor (2.50 GHz, 2X6M L2, 1333) or equivalent AMD processor
- 8 GB RAM (or more)
- 1,280 x 1,024 monitor with true color
- 1 GB (or more) DirectX® 9-capable graphics card with Shader Model 3. Find out more about recommended [graphics hardware](#).

AutoCAD MAP 3D 2011

32-Bit AutoCAD Map 3D 2011

- Microsoft® Windows® 7 Professional, Ultimate, or Enterprise; Microsoft® Windows Vista® Enterprise, Business, or Ultimate (SP1 or later); or Microsoft® Windows® XP Professional (SP2 or later)
- Windows 7 or Vista processor: Intel® Pentium® 4 or AMD Athlon™ dual-core processor, 3.0 GHz or higher with SSE2 technology
- Windows XP processor: Intel Pentium 4 or AMD Athlon dual-core processor, 1.6 GHz or higher with SSE2 technology
- 2 GB RAM
- 1,280 x 768 with true color (1,280 x 1,024 32-bit with true color recommended)
- 3 GB free disk space for DVD installation or 6 GB free disk space for download installation
- Microsoft® Internet Explorer® 7.0 or later
- DVD drive
- Citrix® XenApp™ 4.5 or 5.0 (optional)
- Feature Data Objects (FDO) Version 3.5 (optional)

64-Bit AutoCAD Map 3D 2011

- Windows 7 Professional, Ultimate, or Enterprise; Windows Vista Enterprise, Business, or Ultimate (SP1 or later); or Windows XP Professional x64 Edition (SP2)
- AMD Athlon 64, AMD Opteron™, Intel® Xeon® with Intel EM64T support, or Intel Pentium 4 with Intel EM64T support with SSE2 technology
- 4 GB RAM
- 1,280 x 1,024 32-bit color (true color) graphics card, 128 MB or greater*
- 3 GB free disk space for DVD installation or 6 GB free disk space for download installation
- Microsoft® Internet Explorer® 7.0 or later
- DVD drive
- Citrix® XenApp™ 4.5 or 5.0 (optional)
- Feature Data Objects (FDO) Version 3.5 (optional)

- * For graphics cards that support hardware acceleration, DirectX 9.0c or later must be installed.



3D Studio MAX

32-Bit 3ds Max 2011 or 3ds Max Design 2011 for Windows

Operating system: Microsoft® Windows® 7 Professional, Microsoft® Windows Vista® Business (SP2 or higher), or Microsoft® Windows® XP Professional (SP2 or higher)

For general animation and rendering (typically fewer than 1,000 objects or 100,000 polygons):

- Intel® Pentium® 4 1.4 GHz or equivalent AMD® processor with SSE2 technology*
- 2 GB RAM (4 GB recommended)
- 2 GB swap space (4 GB recommended)**
- 3 GB free hard drive space
- Direct3D® 10 technology, Direct3D 9, or OpenGL®-capable graphics card† (256 MB or higher video card memory, 1 GB or higher recommended)
- Three-button mouse with mouse driver software
- DVD-ROM drive††
- Microsoft® Internet Explorer® 7.0 or higher or Mozilla® Firefox® 2.0 or higher browser
- Internet connection for web downloads and Autodesk® Subscription-aware access

64-Bit 3ds Max 2011 or 3ds Max Design 2011 for Windows

Operating system: Microsoft Windows 7 Professional x64, Microsoft Windows Vista Business x64 (SP2 or higher), or Microsoft Windows XP Professional x64 (SP2 or higher)

For general animation and rendering (typically fewer than 1,000 objects or 100,000 polygons):

- Intel 64 or AMD 64 processor with SSE2 technology*
- 4 GB RAM (8 GB recommended)
- 4 GB swap space (8 GB recommended)**
- 3 GB free hard drive space
- Direct3D 10, Direct3D 9, or OpenGL-capable graphics card† (256 MB or higher video card memory, 1 GB recommended)
- Three-button mouse with mouse driver software
- DVD-ROM drive††
- Microsoft Internet Explorer 7.0 or higher or Mozilla Firefox 2.0 or higher browser
- Internet connection for web downloads and Autodesk Subscription-aware access

For large scenes and complex data sets (typically more than 1,000 objects or 100,000 polygons):

- Intel® 64 or AMD64 processor with SSE2 technology*
- 8 GB RAM
- 8 GB swap space**
- 3 GB free hard drive space
- Direct3D 10, Direct3D 9, or OpenGL-capable graphics card† (1 GB or higher video card memory)
- Three-button mouse with mouse driver software
- DVD-ROM drive††
- Microsoft Internet Explorer 7.0 or higher or Mozilla Firefox 2.0 or higher browser
- Internet connection for web downloads and Autodesk Subscription-aware access



3ds Max 2011 or 3ds Max Design 2011 for Macintosh

Boot Camp

You can install Autodesk 3ds Max 2011 software on a Mac® computer on a Windows® partition. The system must use Boot Camp® application program to help manage a dual OS configuration and meet the minimum system requirements.

- Intel-based Mac Pro or MacBook® Pro computer¹
- Mac® OS X 10.5.x or higher operating system
- Boot Camp V 2.0 or higher
- Minimum 2 GB RAM (4 GB recommend for 32-bit Windows, 8 GB or more for 64-bit Windows)
- Minimum 20 GB disk space for Apple OS partition, minimum 20 GB for Windows OS partition

Mac Virtualization on Parallels Desktop

Autodesk 3ds Max 2011 can be used on the Mac via Parallels Desktop® for Mac software without having to boot directly into the Windows OS so it is easy to switch between platforms. The system must meet the following requirements:

- Intel-based Mac Pro or MacBook Pro¹
- Mac OS X 10.5.x or higher
- Parallels Desktop 4.0 (4.0.3844 or higher)²
- Minimum 4 GB RAM (6 GB system memory for 32-bit Windows, 8 GB or more for 64-bit Windows recommended)
- Minimum 40 GB available disk space (100 GB recommended)

For more details, read the [3ds Max for Mac FAQ](#).

¹64-bit Windows Vista requires an Intel Core® 2 Duo or Intel® Xeon® processor.

²Parallels Desktop is the only supported virtual machine software at this time.

NOTA: Si su producto no está incluido en este documento por favor comuníquese con MicroCAD Ltda. O entre a la página de Autodesk: www.autodesk.com