System requirements for Autodesk Revit 2019 products

Revit 2019	
Minimum: Entry-Level Configuration	
Operating System [1]	**Microsoft® Windows® 7 SP1 64-bit:** Enterprise, Ultimate, Professional, or Home Premium **Microsoft Windows 8.1 64-bit:** Enterprise, Pro, or Windows 8.1 **Microsoft Windows 10 Anniversary Update 64-bit (version 1607 or higher):** Enterprise, or Pro
CPU Type	Single- or Multi-Core Intel® Pentium®, Xeon®, or i-Series processor or AMD® equivalent with SSE2 technology. Highest affordable CPU speed rating recommended. Autodesk Revit software products will use multiple cores for many tasks, using up to 16 cores for near-photorealistic rendering operations.
Memory	4 GB RAM • Usually sufficient for a typical editing session for a single model up to approximately 100 MB on disk. This estimate is based on internal testing and customer reports. Individual models will vary in their use of computer resources and performance characteristics. • Models created in previous versions of Revit software products may require more available memory for the one-time upgrade process.
Video Display Resolutions	**Minimum:** 1280 x 1024 with true color **Maximum:** Ultra-High (4k) Definition Monitor
Video Adapter	**Basic Graphics:** Display adapter capable of 24-bit color **Advanced Graphics:** DirectX® 11 capable graphics card with Shader Model 3
Disk Space	35 GB free disk space
Media	Download or installation from DVD9 or USB key
Pointing Device	MS-Mouse or 3Dconnexion® compliant device
Browser	Microsoft® Internet Explorer® 7.0 (or later)
Connectivity	Internet connection for license registration and prerequisite component download

Revit 2019	
Value: Balanced price and performance	
Operating System [1]	**Microsoft Windows 7 SP1 64-bit:** Enterprise, Ultimate, Professional, or Home Premium **Microsoft Windows 8.1 64-bit:** Enterprise, Pro, or Windows 8.1 **Microsoft Windows 10 Anniversary Update 64-bit (version 1607 or higher):** Enterprise, or Pro
CPU Type	Multi-Core Intel Xeon, or i-Series processor or AMD equivalent with SSE2 technology. Highest affordable CPU speed rating recommended. Autodesk Revit software products will use multiple cores for many tasks, using up to 16 cores for near-photorealistic rendering operations.
Memory	8 GB RAM • Usually sufficient for a typical editing session for a single model up to approximately 300 MB on disk. This estimate is based on internal testing and customer reports. Individual models will vary in their use of computer resources and performance characteristics. • Models created in previous versions of Revit software products may require more available memory for the one-time upgrade process.
Video Display Resolutions	**Minimum:** 1680 x 1050 with true color **Maximum:** Ultra-High (4k) Definition Monitor
Video Adapter	DirectX 11 capable graphics card with Shader Model 5
Disk Space	35 GB free disk space
Media	Download or installation from DVD9 or USB key
Pointing Device	MS-Mouse or 3Dconnexion compliant device
Browser	Microsoft Internet Explorer 7.0 (or later)
Connectivity	Internet connection for license registration and prerequisite component download

Revit 2019	
Performance: Large, complex models	
Operating System [1]	**Microsoft Windows 7 SP1 64-bit:** Enterprise, Ultimate, Professional, or Home Premium **Microsoft Windows 8.1 64-bit:** Enterprise, Pro, or Windows 8.1 **Microsoft Windows 10 Anniversary Update 64-bit (version 1607 or higher):** Enterprise, or Pro
CPU Type	Multi-Core Intel Xeon, or i-Series processor or AMD equivalent with SSE2 technology. Highest affordable CPU speed rating recommended. Autodesk Revit software products will use multiple cores for many tasks, using up to 16 cores for near-photorealistic rendering operations.
Memory	16 GB RAM • Usually sufficient for a typical editing session for a single model up to approximately 700 MB on disk. This estimate is based on internal testing and customer reports. Individual models will vary in their use of computer resources and performance characteristics. • Models created in previous versions of Revit software products may require more available memory for the one-time upgrade process.
Video Display Resolutions	**Minimum:** 1920 x 1200 with true color **Maximum:** Ultra-High (4k) Definition Monitor
Video Adapter	DirectX 11 capable graphics card with Shader Model 5
Disk Space	• 35 GB free disk space • 10,000+ RPM (for Point Cloud interactions) or Solid State Drive
Media	Download or installation from DVD9 or USB key
Pointing Device	MS-Mouse or 3Dconnexion compliant device
Browser	Microsoft Internet Explorer 7.0 (or later)
Connectivity	Internet connection for license registration and prerequisite component download

Revit LT 2019	
Operating System [1]	**Microsoft Windows 7 SP1 64-bit:** Enterprise, Ultimate, Professional, or Home Premium **Microsoft Windows 8.1 64-bit:** Enterprise, Pro, or Windows 8.1 **Microsoft Windows 10 Anniversary Update 64-bit (version 1607 or higher):** Enterprise, or Pro
CPU Type	Single- or Multi-Core Intel Pentium, Xeon, or i-Series processor or AMD equivalent with SSE2 technology. Highest affordable CPU speed rating recommended.
Memory	4 GB RAM - Usually sufficient for a typical editing session for a single model up to approximately 100 MB on disk. This estimate is based on internal testing and customer reports. Individual models will vary in their use of computer resources and performance characteristics. - Models created in previous versions of Revit software products may require more available memory for the one-time upgrade process. /3GB RAM switch not recommended where applicable. Revit software and system stability can be affected by memory conflicts with video drivers when the /3GB switch is active.
Video Display Resolutions	**Minimum:** 1280 x 1024 with true color **Maximum:** Ultra-High (4k) Definition Monitor
Video Adapter	**Basic Graphics:** Display adapter capable of 24-bit color **Advanced Graphics:** DirectX 11 capable graphics card with Shader Model 5
Disk Space	35 GB free disk space
Media	Download or installation from DVD9 or USB key
Pointing Device	MS-Mouse or 3Dconnexion compliant device
Browser	Microsoft Internet Explorer 7.0 (or later)
Connectivity	Internet connection for license registration and prerequisite component download

Revit Server 2019			
Operating System	• Microsoft Windows Server® 2008 R2 SP1 64-bit • Microsoft Windows Server® 2012 64-bit • Microsoft Windows Server® 2012 R2 64-bit		
Web Server	Microsoft Internet Information Server 7.0 (or later)		
CPU Type	4+ cores 2.6 GHz+	6+ cores 2.6 GHz+	6+ cores 3.0 GHz+
<100 Concurrent Users (multiple models)	**Minimum**	**Value**	**Performance**
Memory	4 GB RAM	8 GB RAM	16 GB RAM
Hard Drive	7,200+ RPM	10,000+ RPM	15,000+ RPM
100+ Concurrent Users (multiple models)	**Minimum**	**Value**	**Performance**
Memory	8 GB RAM	16 GB RAM	32 GB RAM
Hard Drive	10,000+ RPM	15,000+ RPM	High-Speed RAID Array
Virtualization	VMware® and Hyper-V® Support		

Revit 2019 Citrix: Recommended-Level Configuration [2]	
Citrix System	• XenApp® 6.5 Feature Pack 2 • Citrix® License Manager • Citrix® Profile Manager
Server OS	As specified by XenApp® system requirements
Authentication	• Microsoft® Active Directory o Roaming Profiles supported
Client OS	• Microsoft Windows 7 SP1 64-bit • Microsoft Windows 8.1 64-bit • Microsoft Windows 10 Anniversary Update 64-bit (version 1607 or higher)
Client Browser	Microsoft Internet Explorer 7.0 (or later)
User Access	Client computers should be bound to the network domain. Each client computer should have either the full Citrix or web client plug-in installed. Users should use their domain logins to access both the Citrix web console and the LAN.

Revit 2019 **Revit LT 2019** **VMware: Recommended-Level Configuration ³**	
VMware Software	• VMware Horizon® 6.1 or later • VMware vSphere® 6 or later
Virtual Machine Operating System	**Microsoft Windows 7 SP1 64-bit:** Enterprise, Ultimate, Professional, or Home Premium **Microsoft Windows 8.1 64-bit:** Enterprise, Pro, or Windows 8.1 **Microsoft Windows 10 Anniversary Update 64-bit (version 1607 or higher):** Enterprise, or Pro
Host Server Recommendation	**Performance**
CPU	3.0 GHz+ Intel Xeon E5 or later; or AMD equivalent with SSE2 technology
Memory	384-512 GB
Networking	10 Gb
Storage	~750+ IOPS Per User
GPU	NVIDIA GRID K2 or later
Virtual Machine Settings	**Performance**
Memory	16-32 GB RAM
vCPUs	8 vCPUs
Disk Space	Minimum 35 GB free disk space
Graphics Adapter	NVIDIA® GRID K260Q (2 GB) or later
Virtual Machine Connectivity	Internet connection for license registration and prerequisite component download.
User Access	Each client computer should have the VMware Horizon Client installed.

Revit 2019 **Revit LT 2019** **Parallels Desktop® 11 for Mac: Recommended-Level Configuration**	
Host Operating System & Hardware Type	Apple® macOS® Apple MacBook Pro® 10,1; iMac® 14,1 or newer
Memory	16 GB
CPU Type	2.7 GHz quad-core Intel Core i7™ recommended

Revit 2019 Revit LT 2019 Parallels Desktop® 11 for Mac: Recommended-Level Configuration	
Virtualization Software	Parallels Desktop 11 for Mac or newer
Virtual Machine Operating System*	**Microsoft Windows 7 SP1 64-bit:** Enterprise, Ultimate, Professional, or Home Premium **Microsoft Windows 8.1 64-bit:** Enterprise, Pro, or Windows 8.1 **Microsoft Windows 10 Anniversary Update 64-bit (version 1607 or higher):** Enterprise, or Pro
Virtual Machine Browser	Microsoft Internet Explorer 7.0 (or later)
Virtual Machine Memory	8 GB RAM - Usually sufficient for a typical editing session for a single model up to approximately 100 MB on disk. This estimate is based on internal testing and customer reports. Individual models will vary in their use of computer resources and performance characteristics. - Models created in previous versions of Revit software products may require more available memory for the one-time upgrade process.
Virtual Machine Video Adapter	512 MB video memory minimum dedicated to the Microsoft Windows Virtual Machine. **Note:** While at Retina® display resolutions on macOS, turn off any Retina Resolution options in Parallels Desktop to adjust for proper DPI within Windows and Revit software products. **Graphics:** Parallels Desktop virtual display adapter without "Use Hardware Acceleration" option in Revit software products.
Video Adapter	- NVIDIA GeForce® GT 650M - 2880 x 1800 with 24-bit color - Intel Iris Pro - 1920 x 1080 with 32-bit color - or newer (see Virtual Video Adapter note)
Disk Space	Minimum 40 GB free disk space; recommend 100 GB free disk space available
Media	Download or installation from USB key
Pointing Device	MS-Mouse or 3Dconnexion compliant device
Connectivity	Internet connection for license registration and prerequisite component download