

Windows Memory Limits

Windows Memory Limits

Windows Memory Limits: Based on <http://msdn.microsoft.com/en-us/library/aa366778%28VS.85%29.aspx>

Physical Memory Limits: Windows 10

The following table specifies the limits on physical memory for Windows 10.

Version	Limit on X86	Limit on X64
Windows 10 Enterprise	4 GB	2TB
Windows 10 Pro	4 GB	2TB

Physical Memory Limits: Windows Server 2016

The following table specifies the limits on physical memory for Windows Server 2016.

Version	Limit on X64
Windows Server 2016 Datacenter	24 TB
Windows Server 2016 Standard	24 TB

Physical Memory Limits: Windows 8

	32 bit	64 bit
Windows 8	4GB	128GB
Windows 8 Professional	4GB	512GB
Windows 8 Enterprise	4GB	512GB

Physical Memory Limits: Windows Server 2012

The following table specifies the limits on physical memory for Windows Server 2012. Windows Server 2012 is available only in X64 editions.

Version	Limit on X64
Windows Server 2012 Datacenter	4 TB
Windows Server 2012 Standard	4 TB

Windows Server 2012 Essentials is not supported.

Windows Server 2012 Foundation is not supported.

Windows Storage Server 2012 Workgroup is not supported

Windows Storage Server 2012 Standard is not supported

System Requirements	
Applies to	System Requirements
Version	all versions
Last revised	10-Oct-2016

Contents
<ul style="list-style-type: none">• Windows Memory Limits<ul style="list-style-type: none">• Physical Memory Limits: Windows 10• Physical Memory Limits: Windows Server 2016• Physical Memory Limits: Windows 8• Physical Memory Limits: Windows Server 2012• Physical Memory Limits: Windows 7• Physical Memory Limits: Windows Server 2008 R2• Physical Memory Limits: Windows Server 2008<ul style="list-style-type: none">• Notes

Physical Memory Limits: Windows 7

The following table specifies the limits on physical memory for Windows 7.

	32 bit	64 bit
Windows 7 Professional	4GB	192GB
Windows 7 Enterprise	4GB	192GB
Windows 7 Ultimate	4GB	192GB

Physical Memory Limits: Windows Server 2008 R2

The following table specifies the limits on physical memory for Windows Server 2008 R2. Windows Server 2008 R2 is available only in 64-bit editions.

Version	Limit on X64	Limit on IA64
Windows Server 2008 R2 Datacenter	2 TB	
Windows Server 2008 R2 Enterprise	2 TB	
Windows Server 2008 R2 Standard	32 GB	

Windows Small Business Server 2008 is not supported

Windows Server 2008 R2 Foundation is not supported.

Windows Web Server 2008 R2 is not supported

Windows Server 2008 R2 HPC Edition is not supported

Physical Memory Limits: Windows Server 2008

The following table specifies the limits on physical memory for Windows Server 2008. Limits greater than 4 GB for 32-bit Windows assume that [PAE](#) is enabled.

Version	Limit on X86	Limit on X64	Limit on IA64
Windows Server 2008 Datacenter	64 GB	1 TB	
Windows Server 2008 Enterprise	64 GB	1 TB	
Windows Server 2008 Standard	4 GB	32 GB	

Windows Small Business Server 2008 is not supported

Windows Web Server 2008 is not supported

Windows Server 2008 HPC Edition is not supported

Windows XP

	32 bit				64 bit			
		SP1	SP2	SP3		SP1	SP2	SP3
Home Edition	4GB	4GB	4GB	4GB				
Professional Edition	4GB	4GB	4GB	4GB	128GB	128GB	128GB	128GB

Windows Vista

	32 bit			64 bit		
		SP1	SP2		SP1	SP2
Windows Vista Starter	1GB	1GB	1GB			
Windows Vista Home Basic	4GB	4GB	4GB	8GB	8GB	8GB
Windows Vista Home Premium	4GB	4GB	4GB	16GB	16GB	16GB
Windows Vista Business	4GB	4GB	4GB	128GB	128GB	128GB
Windows Vista Enterprise	4GB	4GB	4GB	128GB	128GB	128GB
Windows Vista Ultimate	4GB	4GB	4GB	128GB	128GB	128GB

Windows 2000

	32 bit				
		SP1	SP2	SP3	SP4
Windows 2000 Professional	4GB	4GB	4GB	4GB	4GB
Windows 2000 Server	4GB	4GB	4GB	4GB	4GB
Windows 2000 Advanced Server	8GB	8GB	8GB	8GB	8GB
Windows 2000 Datacenter Server	32GB	32GB	32GB	32GB	32GB

Windows Server 2003

	32 bit			64 bit		
		SP1	SP2		SP1	SP2
Windows Server 2003 Standard	4GB	4GB	4GB	16GB	32GB	32GB
Windows Server 2003 Enterprise	32GB,16GB with 4GT	64GB,16GB with 4GT	64GB	64GB	1TB	2TB
Windows Server 2003 Datacenter	128GB,16GB with 4GT	128GB,16GB with 4GT	128GB,16GB with 4GT	512 GB	1TB	2TB
Windows Server 2003 R2 Standard		4GB			32GB	
Windows Server 2003 R2 Enterprise		64GB,16GB with 4GT			1TB	
Windows Server 2003 R2 Datacenter		128GB,16GB with 4GT			1TB	

Windows Small Business Server 2003 is not supported
Windows Server 2003 Web is not supported

Notes

1. Installing and using Esko software on a Terminal Services or Remote Desktop Services server (Microsoft, Citrix,...) is not supported, except for non-subscription versions of Cape Pack. You cannot run Esko software with local licenses via Remote Desktop.
2. Although we don't expect issues with Microsoft OS patches, Esko only guarantees support on the official MS Service Pack (SP) level, not on individual OS patches. PC's for Esko applications (editors, rips or servers) must not be configured as WebServers (IIS), Network Domain Controllers (Active Directory), DNS Server, DHCP Server, WINS Server, SQL Server, or

MailServer. The Automation Engine Server is allowed to be a Member Server in a Windows Active Directory domain. However, Esko can not test all possible configurations. Contact your regional Customer Service Center in case of specific questions.

3. A single processor with hyperthreading enabled is considered as 2 processors for memory calculations. A dual core processor is considered as 2 processors for memory calculations.
4. Esko software will only work with properly licensed versions of operating systems and other software. Esko is not responsible for any loss of functionality due to use with unlicensed software. Esko will not provide assistance in installing software on equipment lacking properly licensed software.

For more in-depth technical information, search our [Knowledge Base](#).