# ArcInfo Desktop 9.1 System Requirements

This PDF contains system requirements information, including hardware requirements, best performance configurations, and limitations, for ArcInfo Desktop 9.1.

- PC-Intel Windows 2000 Professional
- PC-Intel Windows 2003 Server Terminal Services
- PC-Intel Windows XP Professional Edition, Home Edition

## ArcInfo Desktop 9.1 on PC-Intel Windows 2000 Professional

| | |
|---|---|
| *Product:* | ArcInfo Desktop 9.1 |
| *Platform:* | PC-Intel |
| *Operating System:* | Windows 2000 Professional |
| *Service Packs/Patches:* | SP 4 |
| *Shipping/Release Date:* | May 18, 2005 |

## Hardware Requirements

**CPU Speed:**

1.0 GHz recommended or higher

**Processor:**

Intel Pentium or Intel Xeon Processors

**Memory/RAM:**

512 MB minimum, 1 GB recommended or higher

**Display Properties:**

24 bit color depth

**Screen Resolution:**

1024 x 768 recommended or higher at Normal size (96dpi)

**Swap Space:**

300 MB minimum

**Disk Space:**

Typical 765 MB NTFS, Complete 1040 MB NTFS

**Disk Space Requirements:**

In addition, up to 50 MB of disk space maybe needed in the Windows System directory (typically C:\Windows\System32). You can view the disk space requirement for each of the 9.1 components in the Setup program.

**Notes:**

**OPERATING SYSTEM REQUIREMENTS**

**Internet Explorer Requirements**

- Some features of ArcInfo Desktop 9.1 require a minimum installation of Microsoft Internet Explorer Version 6.0 or 7.0. If you do not have an installation of Microsoft Internet Explorer Version 6.0/7.0, you must obtain and install it prior to installing ArcGIS Engine Runtime. (Please also see IE7_Limitations)

**Python Requirement for Geoprocessing:**

- ArcInfo Desktop geoprocessing tools use the Python scripting language and require that Python and the Python Win32 extension are installed. If the ArcGIS Desktop setup does not find Python on the target computer, it will install Python 2.1 and Win32all-151 extension during a typical or complete installation. You may choose a Custom installation to unselect the Python feature to avoid installing these features. See the install guide for additional information concerning Python.

**License Manager Requirements:**

- Simple TCP/IP, Network Card or Microsoft Loopback Adapter.

**Additional Requirements for ArcGlobe (as part of 3D Analyst):**

- CPU Speed: 1.5 GHz recommended or higher.

- Disk Space: ArcGlobe will create cache files when used, additional disk space may be required for this and any other data used in ArcGlobe.

- Video Card: An OpenGL 1.1 or above compliant video card is required, with at least 32 MB of video memory, however 64 MB of video memory is recommended.

**ESRI supports and recommends the following integrated development environments for use with ArcGIS Desktop**
**and the ArcGIS Desktop Developer Kit:**
**– COM**

Visual Basic for Applications

Visual Basic 6 sp3 or later

Visual C++ 6 sp3 or later

Visual C++ (Visual Studio .Net 2003)

**- .Net**

C# (Visual Studio .Net 2003 with .NET Framework 1.1 or 1.1 Service Pack 1)

VB.Net (Visual Studio .Net 2003 with .NET Framework 1.1 or 1.1 Service Pack 1)

**Printer Support:**

ArcGIS supports printing to any Microsoft certified Windows printer using the native driver in ArcGIS. Please note that some printer drivers do not support complex maps and the ArcPress printer driver or additional hardware may be needed for these complex maps.

**ESRI recommends the following configuration when printing large maps with the ArcPress printer drivers:**

- Pagefile system size of 4096 MB is recommended. ArcPress depends on being able to acquire potentially large contiguous blocks of memory to process a map. The windows limit is 2048 MB and by having a pagefile.sys file of at least twice that size helps ensure that other applications running and using the pagefile system will not introduce an unexpected limit for the ArcPress printer driver.

- Pagefile system should be stored on a dedicated partition or, if possible, a dedicated drive. This will prevent the file from becoming fragmented and diminishing ArcPress's ability to acquire contiguous blocks of memory.

- If large complex maps do not print, then reboot the computer to ensure the pagefile system is cleared. If the pagefile system is not a dedicated drive or partition, make sure that drive does not need to be defragmented.

- Disk Space: at lease 10 GB of space is free on the drive where %TEMP% is located, as potentially large temporary files will be written there while ArcPress is processing a map for printing.

## Best Performance Configuration

### System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

## Limitations

**Platform: IE7 Limitations**

You cannot see inset maps in the directions window until you right-click on the box with the red X to bring up the context menu and then click on "Show Picture."

# ArcInfo Desktop 9.1 on PC-Intel Windows 2003 Server Terminal Services

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|---|---|
| *Product:* | ArcInfo Desktop 9.1 |
| *Platform:* | PC-Intel |
| *Operating System:* | Windows 2003 Server Terminal Services |
| *Service Packs/Patches:* | Limitations (refer to Limitations) |
| *Shipping/Release Date:* | May 18, 2005 |

## Hardware Requirements

**CPU Speed:**

1.0 GHz recommended or higher

**Processor:**

Intel Pentium or Intel Xeon Processors

**Memory/RAM:**

512 MB minimum; an additional 256 MB per client instance recommended or higher.

**Display Properties:**

Thin Client with 24 bit color depth

**Screen Resolution:**

1024 x 768 recommended or higher at Normal size (96dpi)

**Swap Space:**

300 MB minimum

Utilizing Windows Terminal Server technology may require additional MB, depending on the number of clients accessing the server.

**Disk Space:**

Typical 765 MB NTFS, Complete 1040 MB NTFS

**Disk Space Requirements:**

In addition, up to 50 MB of disk space maybe needed in the Windows System directory(typically C:\Windows\System32). You can view the disk space requirement for each of the 9.1 components in the Setup program.

**Notes:**

**OPERATING SYSTEM REQUIREMENTS**

**Internet Explorer Requirements**

- Some features of ArcInfo Desktop 9.1 require a minimum installation of Microsoft Internet Explorer Version 6.0 or 7.0. If you do not have an installation of Microsoft Internet Explorer Version 6.0/7.0, you must obtain and install it prior to installing ArcGIS Engine Runtime. (Please also see IE7_Limitations)

**Python Requirement for Geoprocessing:**

- ArcInfo Desktop geoprocessing tools use the Python scripting language and require that Python and the Python Win32 extension are installed. If the ArcGIS Desktop setup does not find Python on the target computer, it will install Python 2.1 and Win32all-151 extension during a typical or complete installation. You may choose a Custom installation to unselect the Python feature to avoid installing these features. See the install guide for additional information concerning Python.

**License Manager Requirements:**

- Simple TCP/IP, Network Card or Microsoft Loopback Adapter.
- The License Manager is supported on Windows Server 2003. Refer to ESRI Knowledge Base Article FAQ: Is the License Manager supported on Windows Server 2003? for more information.

**Additional Requirements for ArcGlobe (as part of 3D Analyst):**

- CPU Speed: 1.5 GHz recommended or higher.
- Disk Space: ArcGlobe will create cache files when used, additional disk space may be required for this and any other data used in ArcGlobe.
- Video Card: An OpenGL 1.1 or above compliant video card is required, with at least 32 MB of video memory, however 64 MB of video memory is recommended.

**ESRI supports and recommends the following integrated development environments for use with ArcGIS Desktop**
**and the ArcGIS Desktop Developer Kit:**
**– COM**
Visual Basic for Applications
Visual Basic 6 sp3 or later
Visual C++ 6 sp3 or later
Visual C++ (Visual Studio .Net 2003)

**- .Net**

C# (Visual Studio .Net 2003 with .NET Framework 1.1 or 1.1 Service Pack 1)

VB.Net (Visual Studio .Net 2003 with .NET Framework 1.1 or 1.1 Service Pack 1)

**Printer Support:**

ArcGIS supports printing to any Microsoft certified Windows printer using the native driver in
ArcGIS. Please note that some printer drivers do not support complex maps and the ArcPress
printer driver or additional hardware may be needed for these complex maps.

**ESRI recommends the following configuration when printing large maps with the
ArcPress printer drivers:**

- Pagefile system size of 4096 MB is recommended. ArcPress depends on being able to acquire
potentially large contiguous blocks of memory to process a map. The windows limit is 2048 MB
and by having a pagefile.sys file of at least twice that size helps ensure that other applications
running and using the pagefile system will not introduce an unexpected limit for the ArcPress
printer driver.

- Pagefile system should be stored on a dedicated partition or, if possible, a dedicated drive. This
will prevent the file from becoming fragmented and diminishing ArcPress's ability to acquire
contiguous blocks of memory.

- If large complex maps do not print, then reboot the computer to ensure the pagefile system is
cleared. If the pagefile system is not a dedicated drive or partition, make sure that drive does
not need to be defragmented.

- Disk Space: at lease 10 GB of space is free on the drive where %TEMP% is located, as
potentially large temporary files will be written there while ArcPress is processing a map for
printing.

## Best Performance Configuration

### System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System
Design Strategies technical reference document available at: System Design Strategies.

## Limitations

**Platform: Terminal Services Configuration: ArcInfo Desktop 9.1 on Windows Server
2003 Terminal Services is certified with limitations.** - Refer to ESRI Knowledge Base Article
FAQ: Support for Windows Terminal Server (WTS) and Citrix MetaFrame for details.

**IE7 Limitations**

You cannot see inset maps in the directions window until you right-click on the box with the red X to bring up the context menu and then click on "Show Picture."

# ArcInfo Desktop 9.1 on PC-Intel Windows XP Professional Edition, Home Edition

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|---|---|
| *Product:* | ArcInfo Desktop 9.1 |
| *Platform:* | PC-Intel |
| *Operating System:* | Windows XP Professional Edition, Home Edition |
| *Service Packs/Patches:* | SP 1<br>SP2 (refer to Limitations) |
| *Shipping/Release Date:* | May 18, 2005 |

## Hardware Requirements

**CPU Speed:**

1.0 GHz recommended or higher

**Processor:**

Intel Pentium or Intel Xeon Processors

**Memory/RAM:**

512 MB minimum, 1 GB recommended or higher

**Display Properties:**

24 bit color depth

**Screen Resolution:**

1024 x 768 recommended or higher at Normal size (96dpi)

**Swap Space:**

300 MB minimum

**Disk Space:**

Typical 765 MB NTFS, Complete 1040 MB NTFS

**Disk Space Requirements:**

In addition, up to 50 MB of disk space maybe needed in the Windows System directory (typically C:\Windows\System32). You can view the disk space requirement for each of the 9.1 components in the Setup program.

**Notes:**

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**Internet Explorer Requirements**

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- ArcInfo Desktop geoprocessing tools use the Python scripting language and require that Python and the Python Win32 extension are installed. If the ArcGIS Desktop setup does not find Python on the target computer, it will install Python 2.1 and Win32all-151 extension during a typical or complete installation. You may choose a Custom installation to unselect the Python feature to avoid installing these features. See the install guide for additional information concerning Python.

**License Manager Requirements:**

- Simple TCP/IP, Network Card or Microsoft Loopback Adapter.

**Additional Requirements for ArcGlobe (as part of 3D Analyst):**

- CPU Speed: 1.5 GHz recommended or higher.
- Disk Space: ArcGlobe will create cache files when used, additional disk space may be required for this and any other data used in ArcGlobe.
- Video Card: An OpenGL 1.1 or above compliant video card is required, with at least 32 MB of video memory, however 64 MB of video memory is recommended.

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VB.Net (Visual Studio .Net 2003 with .NET Framework 1.1 or 1.1 Service Pack 1)

**Printer Support:**

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- Pagefile system should be stored on a dedicated partition or, if possible, a dedicated drive. This will prevent the file from becoming fragmented and diminishing ArcPress's ability to acquire contiguous blocks of memory.

- If large complex maps do not print, then reboot the computer to ensure the pagefile system is cleared. If the pagefile system is not a dedicated drive or partition, make sure that drive does not need to be defragmented.

- Disk Space: at lease 10 GB of space is free on the drive where %TEMP% is located, as potentially large temporary files will be written there while ArcPress is processing a map for printing.

## Best Performance Configuration

### System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

## Limitations

**Platform: ArcInfo Desktop 9.1 on Windows XP is certified with limitations.**

- Refer to ESRI Knowledge Base Article FAQ:Issues with Windows XP Service Pack 2, Service Pack 3 and ArcGIS 9.x products for details.

**IE7 Limitations**

You cannot see inset maps in the directions window until you right-click on the box with the red X to bring up the context menu and then click on "Show Picture."