# ArcInfo Desktop 9.0 System Requirements

This PDF contains system requirements information, including hardware requirements, best performance configurations, and limitations, for ArcInfo Desktop 9.0.

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

## ArcInfo Desktop 9.0 on PC-Intel Windows 2000 Professional

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|---|---|
| *Product:* | ArcInfo Desktop 9.0 |
| *Platform:* | PC-Intel |
| *Operating System:* | Windows 2000 Professional |
| *Service Packs/Patches:* | SP 2 (optional), SP 3 (optional), SP 4 (optional) |
| *Shipping/Release Date:* | May 10, 2004 |

## Hardware Requirements

**CPU Speed:**

800 MHz minimum, 1.0 GHz recommended or higher

**Processor:**

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

**Memory/RAM:**

256 MB minimumm, 512 MB recommended or higher

**Display Properties:**

24 bit color depth

**Swap Space:**

300 MB minimum

**Disk Space:**

Typical 605 MB NTFS, Complete 695 MB FAT32

**Disk Space Requirements:**

Disk space does not include the 50 MB of system drive space needed for installation (typically C:\Winnt\System32). The disk space requirement for each of the ArcInfo 9.0 components is provided in the custom Setup program.

**Notes:**

**Internet Explorer 6.0 Requirement:**

Some features of ArcInfo Desktop 9.0 require a minimum installation of Microsoft Internet Explorer Version 6.0. If you do not have an installation of Microsoft Internet Explorer Version 6.0, you must obtain and install it prior to installing ArcInfo Desktop.

**Python Requirement for Geoprocessing:**

ArcGIS Desktop geoprocessing tools 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 (not required for Single Use products):**

- 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:**

- Memory/RAM: 512 MB minimum, 1 GB recommended
- CPU Speed: 1 GHz minimum, 1.5 GHz recommended
- Disk Space: 605 MB NTFS, 695 MB FAT32. Additional disk space required for any data used in ArcGlobe.
- Video Card: 32 MB minimum, 64 MB recommended of video memory. - OpenGL 1.1 or above compliant.

**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)

VB.Net (Visual Studio .Net 2003 with .NET Framework 1.1)


**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 byhaving 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

### Hardware Requirements

PC with a fast Pentium chip 800 Mhz Minimum (1.0 Ghz recommended or higher)


512 MB RAM Minimum (1 GB RAM recommended).

# ArcInfo Desktop 9.0 on PC-Intel Windows 2000 Server

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|---|---|
| *Product:* | ArcInfo Desktop 9.0 |
| *Platform:* | PC-Intel |
| *Operating System:* | Windows 2000 Server |
| *Service Packs/Patches:* | SP3 minimum |
| *Shipping/Release Date:* | May 10, 2004 |

## Hardware Requirements

**CPU Speed:**

800 MHz minimum, 1.0 GHz recommended or higher

**Processor:**

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

**Memory/RAM:**

256 MB minimum, 512 MB recommended or higher

**Display Properties:**

24 bit color depth

**Swap Space:**

300 MB minimum

**Disk Space:**

Typical 605 MB NTFS, Complete 695 MB FAT32

**Disk Space Requirements:**

Disk space does not include the 50 MB of system drive space needed for installation (typically C:\Winnt\System32). The disk space requirement for each of the ArcInfo 9.0 components is provided in the custom Setup program.

**Notes:**

**Internet Explorer 6.0 Requirement:**

Some features of ArcInfo Desktop 9.0 require a minimum installation of Microsoft Internet Explorer Version 6.0. If you do not have an installation of Microsoft Internet Explorer Version 6.0, you must obtain and install it prior to installing ArcInfo Desktop.

**Python Requirement for Geoprocessing:**

ArcGIS Desktop geoprocessing tools 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 (not required for Single Use products):**

- 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:**

- Memory/RAM: 512 MB minimum, 1 GB recommended
- CPU Speed: 1 GHz minimum, 1.5 GHz recommended
- Disk Space: 605 MB NTFS, 695 MB FAT32. Additional disk space required for any data used in ArcGlobe.
- Video Card: 32 MB minimum, 64 MB recommended of video memory. - OpenGL 1.1 or above compliant.

**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)

VB.Net (Visual Studio .Net 2003 with .NET Framework 1.1)

**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 byhaving 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

### Hardware Requirements

PC with a fast Pentium chip 800 Mhz Minimum (1.0 Ghz recommended or higher)

512 MB RAM Minimum (1 GB RAM recommended).

# ArcInfo Desktop 9.0 on PC-Intel Windows 2003 Server

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|---|---|
| *Product:* | ArcInfo Desktop 9.0 |
| *Platform:* | PC-Intel |
| *Operating System:* | Windows 2003 Server |
| *Shipping/Release Date:* | May 10, 2004 |

## Hardware Requirements

**CPU Speed:**

800 MHz minimum, 1.0 GHz recommended or higher

**Processor:**

Intel Workstation and Server processors (i.e, Pentium or Xeon Processes)

**Memory/RAM:**

256 MB minimum, 512 MB recommended or higher

**Display Properties:**

24 bit color depth

**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 605 MB NTFS, Complete 695 MB NTFS

**Disk Space Requirements:**

Disk space does not include the 50 MB of system drive space needed for installation (typically C:\Winnt\System32). The disk space requirement for each of the ArcInfo 9.0 components is provided in the custom Setup program.

**Notes:**

**Internet Explorer 6.0 Requirement:**

Some features of ArcInfo Desktop 9.0 require a minimum installation of Microsoft Internet Explorer Version 6.0. If you do not have an installation of Microsoft Internet Explorer Version 6.0, you must obtain and install it prior to installing ArcInfo Desktop.

**Python Requirement for Geoprocessing:**

ArcGIS Desktop geoprocessing tools 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 (not required for Single Use products):**

- 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:**

- Memory/RAM: 512 MB minimum, 1 GB recommended
- CPU Speed: 1 GHz minimum, 1.5 GHz recommended
- Disk Space: 605 MB NTFS, 695 MB FAT32. Additional disk space required for any data used in ArcGlobe.
- Video Card: 32 MB minimum, 64 MB recommended of video memory. - OpenGL 1.1 or above compliant.

**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)
VB.Net (Visual Studio .Net 2003 with .NET Framework 1.1)

**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 byhaving 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

**Hardware Requirements**

PC with a fast Pentium chip 800 Mhz Minimum (1.0 Ghz recommended or higher)

512 MB RAM Minimum (1 GB RAM recommended).

# ArcInfo Desktop 9.0 on PC-Intel Windows NT

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|---|---|
| *Product:* | ArcInfo Desktop 9.0 |
| *Platform:* | PC-Intel |
| *Operating System:* | Windows NT |
| *Service Packs/Patches:* | SP 6a |
| *Shipping/Release Date:* | May 10, 2004 |

## Hardware Requirements

**CPU Speed:**

800 MHz minimum, 1.0 GHz recommended or higher

**Processor:**

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

**Memory/RAM:**

256 MB minimum, 512 MB recommended or higher

**Display Properties:**

24 bit color depth

**Swap Space:**

300 MB minimum

**Disk Space:**

Typical 605 MB NTFS, Complete 695 MB FAT32

**Disk Space Requirements:**

Disk space does not include the 50 MB of system drive space needed for installation (typically C:\Winnt\System32). The disk space requirement for each of the ArcInfo 9.0 components is provided in the custom Setup program.

**Notes:**

**Internet Explorer 6.0 Requirement:**

Some features of ArcInfo Desktop 9.0 require a minimum installation of Microsoft Internet Explorer Version 6.0. If you do not have an installation of Microsoft Internet Explorer Version 6.0, you must obtain and install it prior to installing ArcInfo Desktop.

**Python Requirement for Geoprocessing:**

ArcGIS Desktop geoprocessing tools 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 (not required for Single Use products):**

- 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:**

- Memory/RAM: 512 MB minimum, 1 GB recommended
- CPU Speed: 1 GHz minimum, 1.5 GHz recommended
- Disk Space: 605 MB NTFS, 695 MB FAT32. Additional disk space required for any data used in ArcGlobe.
- Video Card: 32 MB minimum, 64 MB recommended of video memory. - OpenGL 1.1 or above compliant.

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- 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

### Hardware Requirements

PC with a fast Pentium chip 800 Mhz Minimum (1.0 Ghz recommended or higher)

512 MB RAM Minimum (1 GB RAM recommended).

# ArcInfo Desktop 9.0 on PC-Intel Windows XP Professional Edition, Home Edition

| | |
|---|---|
| *Product:* | ArcInfo Desktop 9.0 |
| *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 10, 2004 |

## Hardware Requirements

**CPU Speed:**

800 MHz minimum, 1.0 GHz recommended or higher

**Processor:**

Pentium or higher

**Memory/RAM:**

256 MB minumum, 512 MB recommended or higher

**Display Properties:**

24 bit color depth

**Swap Space:**

300 MB minimum

**Disk Space:**

Typical 605 MB NTFS, Complete 695 MB FAT32

**Disk Space Requirements:**

Disk space does not include the 50 MB of system drive space needed for installation (typically C:\Winnt\System32). The disk space requirement for each of the ArcInfo 9.0 components is provided in the custom Setup program.

**Notes:**

**Internet Explorer 6.0 Requirement:**

Some features of ArcInfo Desktop 9.0 require a minimum installation of Microsoft Internet Explorer Version 6.0. If you do not have an installation of Microsoft Internet Explorer Version

6.0, you must obtain and install it prior to installing ArcInfo Desktop.

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ArcGIS Desktop geoprocessing tools 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.

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- 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:**

- Memory/RAM: 512 MB minimum, 1 GB recommended

- CPU Speed: 1 GHz minimum, 1.5 GHz recommended

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- Video Card: 32 MB minimum, 64 MB recommended of video memory. - OpenGL 1.1 or above compliant.

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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.

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- 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

**Hardware Requirements**

PC with a fast Pentium chip 800 Mhz Minimum (1.0 Ghz recommended or higher)

512 MB RAM Minimum (1 GB RAM recommended).

## Limitations

**Platform: ArcInfo Desktop 9.0 on Windows XP Service Pack 2 is certified with limitations.**

Refer to ESRI Knowledge Base Article FAQ: Windows XP SP2 and ArcGIS 9.0 Products for details.