

Dell Precision™ WorkStation 210 Desktop Systems Documentation Update

Mise à jour de documentation pour les systèmes de bureau
Dell Precision™ WorkStation 210

Dell Precision™ WorkStation 210 Desktop-Systeme Dokumentationsaktualisierung

Actualización de documentación de sistemas de escritorio
Dell Precision™ WorkStation 210



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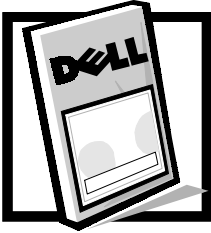
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Dell Precision™ WorkStation 210 Desktop Systems Documentation Update

This document updates information contained in the *Dell Precision WorkStation 210 Desktop Systems User's Guide*.

Intel® Pentium® Processors

Dell Precision WorkStation 210 systems now feature Intel Pentium II or Pentium III microprocessors.

Pentium II Features

Pentium II processors include MMX™ technology, a 32-kilobyte (KB) level 1 (L1) cache, a 512-KB level 2 (L2) cache, and an integrated math coprocessor.

Pentium III Features

Pentium III processors use a new instruction set known as streaming single instruction, multiple data (SIMD) extensions and a new feature called the processor serial number. The SIMD extensions instruction set is made up of more than 70 new instructions and includes floating-point SIMD to enhance 3D display performance and other multimedia capabilities. The processor serial number uniquely identifies each Pentium III processor.

Pentium III processors also include MMX technology and an L2 cache.

Operating Systems and Pentium III Features

Pentium III processors require specific drivers and Service Packs for each Microsoft® operating system. Without the correct driver or Service Pack, the new features of your Pentium III processor may not be available.

Windows NT® 4.x

If you ordered your Dell Precision WorkStation with a Pentium III processor, the Microsoft Windows NT 4. x operating system, and Service Pack 3, your system functions normally and benefits from the higher clock speed and the cache/memory management improvements offered by the Pentium III processor. However, your system cannot take advantage of the new SIMD extensions instruction set. To use the SIMD extensions instruction set, you must install Windows NT 4. x Service Pack 4 and the Intel streaming SIMD extensions (SSE) instruction set driver. You can download Windows NT Service Pack 4 from the Microsoft Web site at <http://www.microsoft.com> and the Intel SSE driver from the Dell Web site at <http://www.dell.com>.

If you ordered your Dell Precision WorkStation with a Pentium III processor, Windows NT 4. x, and Service Pack 4, the Intel SSE driver required to take advantage of the SIMD extensions instruction set was also factory installed. A Windows NT Service Pack 4 CD is included with your system should you need to reinstall Windows NT. The Intel SSE driver is one of the drivers copied when you run the Dell™ Program Diskette Maker program included with the system. You must make backup driver diskettes. You need these diskettes to reinstall the drivers if you reinstall the Windows NT 4. x operating system.

Windows® 98

If you ordered your Dell Precision WorkStation with the Microsoft Windows 98 operating system, your system has all the components required to take full advantage of the new Pentium III features. If you reinstall Windows 98, the components required to use the Pentium III features are also reinstalled. The Windows 98 reinstallation CD is included with your system.

Windows 95

If you ordered your Dell Precision WorkStation with the Microsoft Windows 95 operating system, it runs normally with the new Pentium III processors but it does not support the new SIMD extensions instruction set. Windows 95 does not support the Pentium III features.

Processor Serial Number

If you ordered your Dell Precision WorkStation with a Pentium III processor, the processor serial number feature is disabled in the basic input/output system BIOS by default. If you want to enable the processor serial number feature, you must use the Dell utility **SN_ONOFF.exe**. You can download **SN_ONOFF.exe** from <http://www.dell.com>.

If you want to read the processor serial number, you must use the Processor Number Control Utility (PNCU) from Intel. You can download the PNCU from <http://www.dell.com>. The PNCU reads the processor serial number and reports whether the processor serial number feature is enabled or disabled by the system BIOS.

BIOS Versions

To take full advantage of the benefits offered by the Pentium II and Pentium III processors, your Dell Precision WorkStation must use an appropriate BIOS version.

If your system has a factory-installed Pentium II or Pentium III processor, an appropriate BIOS version was also factory installed.

If you need to restore or upgrade your system BIOS, download the most recent version from the Dell Web site at <http://www.dell.com>.

Online Help

For your convenience, the documentation that accompanied your Dell Precision WorkStation is available online. The *Dell Precision WorkStation 210 Desktop Systems Help* can be a handy reference tool as you work on your desktop. It allows you to search for information in multiple ways and to link quickly to related topics.

To open the *Help*, click the **Start** button, point to **Programs—> Dell Documents**, and click **Dell Precision WorkStation 210 Desktop Systems Help**.

You may also double-click the **Dell Documentation** icon on the Windows desktop, click **System Information**, and then click **Dell Precision WorkStation 210 Desktop Systems Help**.



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