

DIGITAL PC 3010

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System Software

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Digital Equipment Corporation

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## Contents

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# DIGITAL PC 3010

## System Software

### Introduction

Your computer comes with the Windows 95 or Windows NT Workstation operating system and the necessary device drivers pre-installed on your hard disk drive. The operating system, utilities, and device drivers are optimized for your computer's configuration and are ready for use.

This book describes:

- The software and documentation that you receive on your hard disk drive
- The operating system software kit
- The DIGITAL System Software CD and supplied software diskette
- Configuring System Parameters
- How to use your diagnostic software
- How to restore your hard disk drive software using the supplied backup CD-ROM
- Other device drivers
- How to get updates

## DIGITAL Supplied Software

Included with your DIGITAL PC are software products, utilities, and on-line documentation. In the following sections you can read about the DIGITAL-installed software as well as the contents of the DIGITAL System Software CD and how to install these applications onto your hard disk drive.

The following table describes the software installed on your hard disk drive:

<b>Software</b>	<b>Description</b>
Operating system	Either Windows 95 or Windows NT Workstation. Associated on-line documentation is included with the operating system.
Device drivers	These can include drivers, such as video, mouse, and IDE, that you need for your computer. Some configurations also include audio, network, CD-ROM, or SCSI drivers.

## DIGITAL System Software CD

Included in your accessories is the DIGITAL System Software CD. This CD contains the following items:

<b>Item</b>	<b>Description</b>
DIGITAL on-line documentation	User guides and text files that explain how to operate your computer.
Software applications	Software products that will help you to obtain the most benefit from your DIGITAL computer.
Device drivers	Drivers that are needed for proper computer functions.
Troubleshooting utilities	Utilities that will aid in troubleshooting the computer when it's experiencing problems.
Diagnostic diskette images	Images to create diagnostic diskettes that can then be used in the event that your computer fails to boot.

This CD does not contain the operating system. See CD-INFO.TXT on the CD for non-operating system installation and configuration information. Use the “DIGITAL System Software CD Installation Program” (described below) to install the applications, utilities, documentation, and drivers on the hard disk drive.

## DIGITAL System Software CD Installation Program

The DIGITAL System Software CD includes an easy-to-use program that allows you to install the supplied applications and drivers onto your computer’s hard disk drive.

To launch the installation program:

1. Insert the DIGITAL System Software CD into the CD-ROM drive.
2. Click the Start button and then click Run.
3. Type D:\SETUP.HTM in the Open box (where D:\ is your CD-ROM drive).
4. Click OK.
5. The installation program will be launched and you will have the opportunity to select what items on the CD you wish to install.



**NOTE:**

If your computer does not have an installed CD-ROM drive, please ask your Network Administrator about accessing the DIGITAL System Software CD via the network.

## DIGITAL On-Line Documentation

DIGITAL provides an on-line resource library for all available product information. The resource library may include Windows-based help files, electronic reference guides, and Readme files. Electronic reference guides are available in Adobe Portable Document Format (PDF). These documents can be displayed and printed exactly as the original. The Adobe Acrobat Reader is provided on the DIGITAL System Software CD and can be easily installed on your hard disk drive.

The following table lists the on-line documentation available for your computer. These files can be installed from the DIGITAL System Software CD.

<b>On-Line Documentation</b>	<b>Description</b>
<i>System Reference</i>	The on-line System Reference guide describes how to operate, upgrade, and configure your computer. You can view and print the guide using the Adobe Acrobat Reader.
README.TXT	README.TXT files help you set up, operate, and configure your computer. DIGITAL recommends that you read this information first.
CD-INFO.TXT	This text file provides details on what can be found on the CD and how to install these items onto your computer's hard disk drive.

There are other on-line documentation files available. Many of these relate to specific applications. Check the application program folder. Also check the applications themselves for the on-line help that is integrated into the applications.

## Applications

Your DIGITAL PC 3010 ships with several applications designed to make your computer easier to use. The following table lists the software that is available for your computer. Unless stated otherwise, all applications are on the System Software CD and can be installed on your computer's hard disk drive using the "DIGITAL System Software CD Installation Program."

<b>Applications</b>	<b>Description</b>
ClientWORKS	ClientWORKS is DIGITAL's client management software designed to help network administrators lower the total cost of ownership by automating asset management tasks and managing computers remotely.
Diagnostics	Diagnostic diskette images have been provided on the DIGITAL System Software CD with your computer. Once created, these diskettes can be used to troubleshoot your computer if you are unable to access the software through Windows 95 or Windows NT. DIGITAL recommends that you create these diskettes as soon as possible. For instructions, see the CD-INFO.TXT file on the DIGITAL System Software CD.
PC Care	PC Care is a diagnostic, computer information, and computer optimization tool. (See "Using Diagnostics.")
S.M.A.R.T. Monitor	If your computer's hard disk drive is S.M.A.R.T. aware, DIGITAL's S.M.A.R.T. Monitor will keep you apprised as to how your hard disk drive is operating.
Adobe Acrobat Reader	The Adobe Acrobat Reader software allows you to read and print electronic documents.
Desktop Wellness	A tutorial that contains ergonomic information to assist you to work comfortably. This tutorial can be used to find aspects of your tasks and work environment that can be adjusted to suit your needs.

## DIGITAL Startup Diskette

A DIGITAL Startup Diskette is included with your accessories. In the event that you are unable to access your computer's operating system, you can use this diskette to boot the computer and access the CD-ROM drive. The instructions for the DIGITAL Startup Diskette will guide you through steps to create a Windows 95 bootable Setup/Restore diskette and four diagnostic diskettes. The Windows 95 Setup/Restore diskette is needed in order to restore the Windows 95 operating system. The diagnostic diskettes can be used to troubleshoot your computer if you are unable to access Windows 95.

## Operating System Kit

Your computer comes with an operating system kit, which matches the operating system installed on your computer's hard disk drive. You receive one of the following:

<i>Windows 95</i>	Windows 95 CD-ROM, software license, and the manual. <i>Introducing Microsoft Windows 95</i> describes how to use the Windows 95 operating system.
<i>Windows NT Workstation</i>	Windows NT Workstation: CD-ROM, setup diskettes, software license. <i>Microsoft Windows NT Installation Guide</i> and other documentation.  <i>Microsoft Windows NT Installation Guide</i> describes how to install and use Windows NT, including information about additional networking services that you can install.

The CD-ROM and setup diskettes are for restoring your operating system. Be sure to put them away in a safe place.

## **Integrated Desktop Manageability**

### **ClientWORKS**

ClientWORKS, DIGITAL's client management software, contains a powerful set of utilities designed to help you get the most out of your networking environment. Based on the desktop Management Interface (DMI) industry-standard, ClientWORKS reduces total cost of ownership and makes DIGITAL PCs more manageable than the competition. Included, at no charge, on all new DIGITAL PC 3010 computers, ClientWORKS saves MIS personnel time, reduces travel costs when diagnosing remote PCs, and improves accuracy of analysis of clients on the network.

ClientWORKS includes:

- Enhanced 32-bit DMI service layers for Windows 95 and Windows NT, and a 16-bit service layer for Windows for Workgroups.
- DIGITAL's enhanced system Management Information Format (MIF) file for industry-standard desktop management.
- Enhanced ClientWORKS browser, offering identification of DMI components, both locally and remotely.
- SNMP agent software, including a MIF-to-MIB converter for powerful remote management in heterogeneous environments.
- MIFMAKER, DIGITAL's unique utility designed to make DMI data available to Microsoft Systems Management Server (SMS).
- Diagnostics for enhanced system troubleshooting.

ClientWORKS comes on the DIGITAL System Software CD. For installation instructions, see “DIGITAL System Software CD Installation Program.” ClientWORKS includes SNMP subagents that make your computer visible to an SNMP console. Although these subagents are pre-installed, they are disabled in the factory-installed software. Before you can enable the subagents, you must first install TCP/IP, which is part of Windows 95. To install TCP/IP, follow the Windows 95 help instructions for installing a network protocol. Once you have installed TCP/IP, you must install the Microsoft SNMP Master Agent. For installation instructions, refer to the ClientWORKS online help and user documentation.

*For additional information, including last-minute release notes, please see the README.TXT and RELNOTES.TXT files in the ClientWORKS folder on your DIGITAL PC 3010 computer.*

## **Self Monitoring Analysis Technology (S.M.A.R.T.)**

If your DIGITAL PC 3010 hard disk drive is S.M.A.R.T. aware and you are running Windows 95, DIGITAL S.M.A.R.T. Monitor will keep you apprised as to how your hard disk drive is operating. S.M.A.R.T. Monitor is included as part of ClientWORKS and will be installed when ClientWORKS is installed.

Once installed, S.M.A.R.T. Monitor is launched when Windows 95 starts and then immediately minimized, the icon placed in the toolbar. The S.M.A.R.T. aware drive is periodically polled to monitor the performance of the motors, media, heads, and electronics of the drive. If problems are detected, you will be notified and advised to take appropriate action. By clicking on the icon at any time, you can review the status and history of any S.M.A.R.T. devices. You can also modify the setup of DIGITAL S.M.A.R.T. Monitor.

*For more information, refer to your ClientWORKS and/or System Reference documentation.*

## Configuring System Parameters

Although your computer is operation ready, you may need to change the video configuration or configure a network. You may also want to add some additional hardware. The available software can help you with these tasks as explained in the following subsections.

### Configuring Video

Your DIGITAL PC 3010 computer supports Display Data Channel (DDC 1/2b) specifications. DDC technology offers true auto-configuration by providing a direct communications link between the monitor, onboard video circuitry, and the operating system. Full DDC capability requires DDC support by all computer components. DDC will automatically set the video parameters for optimum monitor resolution. If your monitor does not include DDC support, then you may need to change the default video settings.

If you need to change the default settings, use the Control Panel Display option. However, before changing the resolution or resetting your monitor type, please check your monitor documentation. You must make your selections based on what your monitor can support. Choosing one of the Factory Preset Resolutions listed in your monitor manual allows you to change the resolution without having to adjust the monitor.

*Refer to the Windows 95 User's Guide or the Windows NT Workstation Installation Guide and any related on-line help for configuration information.*

## Configuring Additional Hardware

Adding additional hardware requires configuring your computer resources, such as IRQ and DMA settings. With a Plug and Play operating system, such as Windows 95, and Plug and Play hardware, the process is simplified. Windows 95 can automatically determine the appropriate resource settings and then set them.

Some boards are not Plug and Play. These are known as "legacy" boards. Windows 95 can also handle these.

*See your Microsoft Windows 95 documentation for information on configuring new hardware.*

Other operating systems, such as Windows NT Workstation, require that you select and set the configurations. The ICU diskette (available as a diskette image on the DIGITAL System Software CD) can help you determine the available resources. Before installing the new board, insert the diskette into drive A and power on your computer.

*See "CD-INFO.TXT" file on the DIGITAL System Software CD for information on creating the ICU diskette.*

*See the ICU on-line help for complete instructions.*

## Using Diagnostics

There are a variety of software diagnostic products provided with your DIGITAL PC 3010 computer. If you are using Windows 95, the PC Care diagnostic software is provided on the DIGITAL System Software CD. You can use this software to troubleshoot your computer. For installation instructions, see "DIGITAL System Software CD Installation Program."

If you are a Windows NT Workstation user, your factory installed software includes Windows NT Diagnostics. You can use this software to troubleshoot your computer by choosing Administrative Tools from the Programs menu and then selecting the Windows NT icon.

Both Windows 95 and Windows NT users also receive diagnostic diskette images on the DIGITAL System Software CD. DIGITAL recommends that you create these diskettes as soon as possible (for instructions on this, see the CD-INFO.TXT file on the CD-ROM).

Once created these diskettes can be used to examine the computer's current configuration, locate faulty components, and troubleshoot problems. If the hard disk drive fails to boot or you are unable to access the diagnostic software from Windows 95 or Windows NT Workstation, proceed as follows:

1. Insert the diagnostics diskette labeled "For Emergency Use" into your diskette drive and power on your computer.
2. Once the program begins, follow the instructions displayed on your monitor screen.

Windows 95 users may also want to install the diagnostic software on their hard disk drive.

*See the applicable README.TXT file on each of the Diagnostics diskettes for installation instructions and for additional information about the Diagnostics package.*

## Restoring Your Software

In the event of a hard disk failure or if your computer software becomes corrupted, you need to reinstall your operating system, device drivers, and any other utilities or applications. At other times you may only need to replace a driver or an application that was accidentally deleted or corrupted.

Before you begin the installation, make sure you have the operating system kit supplied with your computer, the DIGITAL System Software CD, and any other applications you may have installed on your computer.

## DIGITAL PC 3010 System Software

The following instructions are for a complete restoration of your computer software.

1. If possible, back up data and any applications.
2. Reformat the hard disk drive, if necessary. You need to reformat your hard disk drive if it completely failed or if you replaced it with a new one.
3. Install the operating system.

*Refer to the supplied Windows 95 and Windows NT Workstation documentation for additional information.*

4. Install the necessary device drivers (see “DIGITAL System Software CD Installation Program”).

*For additional installation and configuration information, refer to the CD-INFO.TXT file on the DIGITAL System Software CD.*



**NOTE:** Device drivers are often subject to change. You can find the latest device drivers using the Internet or through DIGITAL’s Bulletin Board service (See “Latest Product Information and Update”).

5. Install the DIGITAL supplied applications, such as ClientWORKS.

These applications are located on the DIGITAL System Software CD, (see “DIGITAL System Software CD Installation Program”).

6. Install your applications.

If you only need to reinstall a device driver or an application, you can do so by following step 4 or 5, whichever is relevant.

## Additional Device Drivers

Most of the device drivers you need are installed at the factory. However, you may need to install additional device drivers for options that were not factory installed. DIGITAL provides all the factory-installed device drivers and additional device drivers on the supplied CD-ROM. IDE, CD-ROM, and video device drivers are some of the drivers available for the following operating systems:

- Windows 95
- Window NT
- Windows for Workgroups



**NOTE:** Not all device drivers on the CD-ROM are supported by DIGITAL. These device drivers are supplied for your convenience only.

Check the root directory on the DIGITAL System Software CD for the CD-INFO.TXT file. Read this file first for configuration and installation information.

## Latest Product Information and Updates

You can access product information and download the latest BIOS, device drivers, and software updates using the Internet at:

**<http://www.windows.digital.com>**

1. To get to the file library, choose **Service & Support**.
2. At the next screen, under **Firmware & Drivers**, select the Intel-based System Library.
3. Choose the correct DIGITAL PC 3010 model from the displayed list.
4. From the file list, choose the file to download.

You can also access software updates through DIGITAL's Bulletin Board Service (BBS) by calling:

**In the United States: (508) 496-8800**

**In Europe: +33 92 96 03 12**