d|i|g|i|t|a|l™

Server
Installation

WITH ServerWORKS™ QUICK LAUNCH

*T*hank *Y*ou

... for purchasing a Digital Prioris server.
The Prioris family represents
Digital's continued commitment to
Uncompromising Quality, backed by
award-winning Customer Service and Support.
The following procedures will help you easily
set up your server's hardware and software.

ServerWORKS Quick Launch

ServerWORKS **Quick Launch** delivers unparalleled achievement in streamlining the installation and configuration of hardware components and network operating system software on Digital's Prioris™ line of servers. Quick Launch combines an intuitive inter-face and versatile, time saving features to produce a consistent and accurate installation optimized for Digital's extremely powerful and highly acclaimed Prioris servers.

In addition to its automated yet extensible method of express installations for Network Operating Sys-tems, Quick Launch provides a comprehensive ar-chive of server documentation, troubleshooting as-sistance, and indispensable configuration utilities; all on one bootable CD!

Before you Begin

Select a suitable area for assembly and use. Ensure that your workspace:

- Is located next to electrical outlets and a telephone jack
- Is free from excessive heat, dust, and direct sunlight
- Allows at least 7 inches of clearance on all sides for proper air flow

See "Technical Specifications" in your System Reference manual for temperature and humidity information.

If you do not wish to install the server yourself, contact Digital Customer Service. A Customer Service Technician can install the server for you.

⚠️ **WARNING**
Use extreme care when unpacking your server. Due to its weight, two people are required to unpack it. Failure to use two people might violate certain safety regulations and can result in severe personal injury or equipment damage.

1 *Unpack your server*
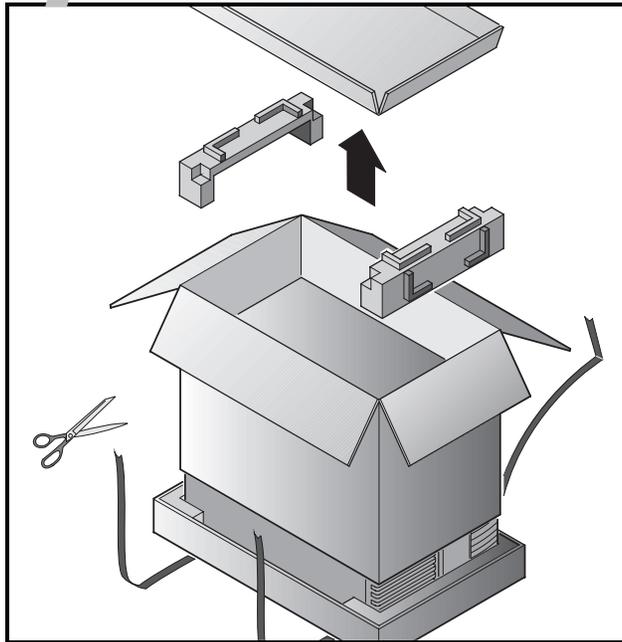
NOTE

Servers are heavy. Do not lift this equipment alone.

Unpack your server following the diagrams on the box top. Use a mechanical aid or get someone to help you lift it from the carton base.

- Test the weight of the server to make sure its comfortably within your lifting capabilities.
- Know where you're going to set it down before you lift.
- Roll the server on its wheels rather than carry it.
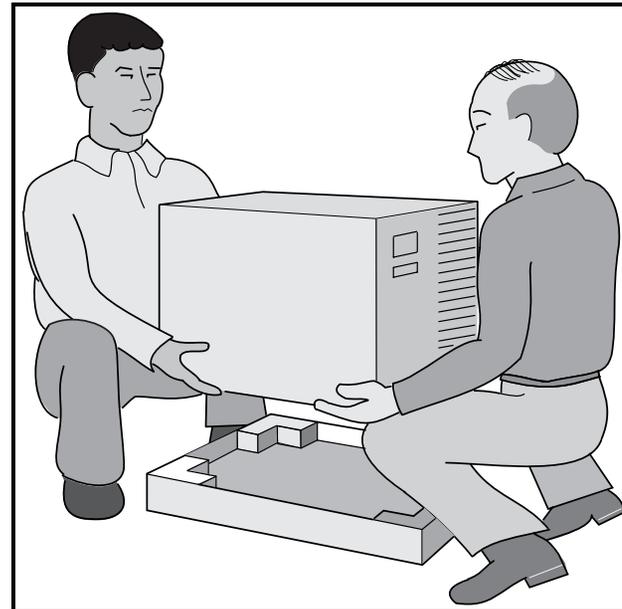
- Get close to the server, with feet apart for stable footing.
- Squat down, knees bent, back straight.
- Get a firm grip, lift with your legs, keep back straight.
- Avoid twisting your upper body. Move your feet to turn.
- Lower gently using leg muscles to squat, back straight.
- Roll the server into place and lock the brake as shown in Step 3, Note **A**.

After your server has been unpacked, please recycle the packing materials or dispose of them properly.

2 *Check the parts*
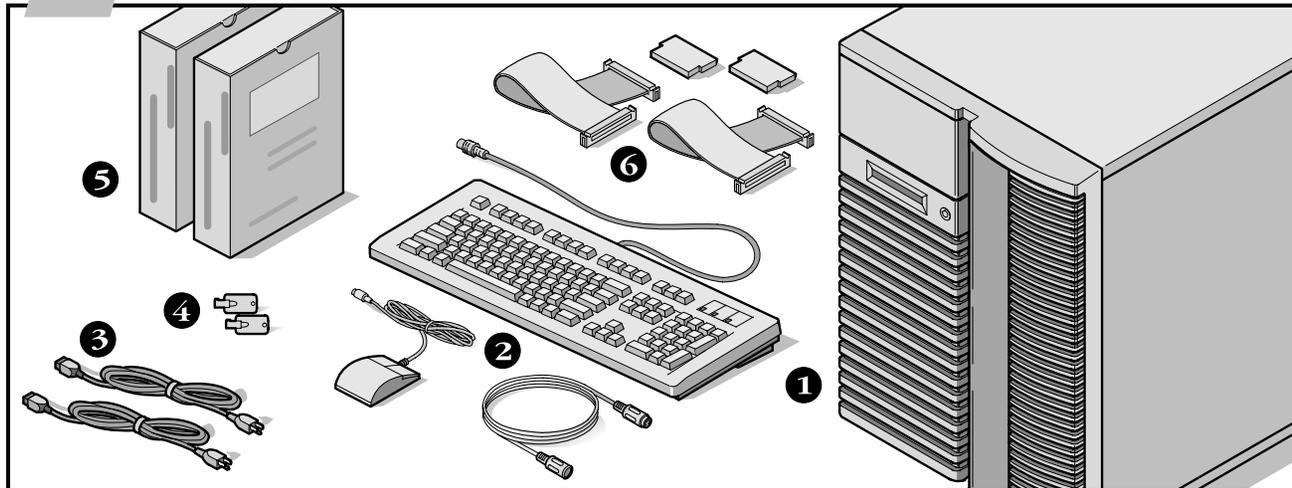
Unpack and identify your server's components.

❶ Prioris server

❷ Country kit including keyboard, keyboard extension cable and mouse (ordered separately)

❸ Up to 3 power cords

❹ Server keys

❺ Server software and documentation kits including printed manuals and the Quick Launch CD-ROM with on-line documentation

❻ SCSI cable and terminator (in some configurations, you may have up to three loose cables in addition to the cables already installed.)

NOTE

Monitor must be ordered separately.

The ServerWORKS software kit includes:

■ ServerWORKS Quick Launch: ServerWORKS Quick Launch CD-ROM disk and Reference Guide.

■ ServerWORKS Manager: ServerWORKS Manager software and documentation.

The Prioris Server documentation kit includes:

■ This Installation Guide, System Reference manual, Documentation Overview, Options Manuals, Warranty and Service Information, Diagnostic User's Guide and Registration Card.

NOTE

On-Line Documentation is also contained on the Quick Launch CD-ROM.

3Install any internal options
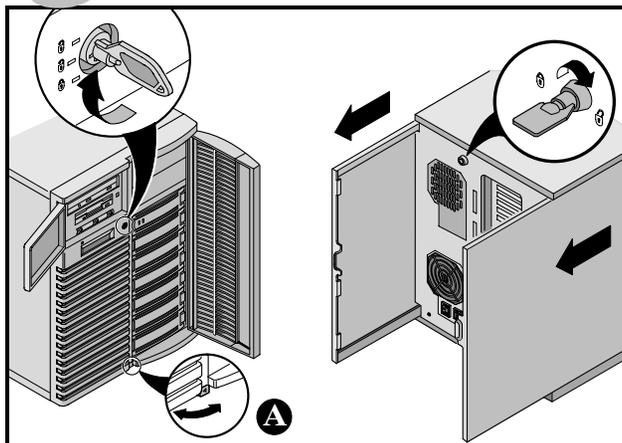
If you have options to install, install them now.

1. Unlock doors

2. Unlock side panels

3. Remove side panels

4. Install options

Refer to the following chapters in the System Reference manual for detailed information.

- Server Utilities
- Upgrading Your Server's CPU Module
- Installing Additional Memory
- Installing Optional Disk and Tape Drives
- Connecting SCSI and RAID Adapters

Also, refer to the documentation that came with the option kit for specific installation instructions.

NOTES

Removing the side panels activates the power interlock switches. These switches turn off power to your server. You might injure yourself or damage the server if you attempt to override or bypass these switches. Always re-place the side panels before you turn on power to the server.

Use the brake located at the bottom of your server **A** to lock your server in place.

ISA cards should be installed *after* you run the System Configuration Utility in Step 7 or 8 since the SCU will list IRQs already used.

Before touching any circuit board or component, wear an anti-static wrist strap, properly grounded to the server chassis, or touch the metal frame to discharge any static electricity.

If you plan to use Quick Launch to install your Network Operating System, your server must meet the following minimum requirements to proceed with the server installa-tion:

- 16 MB of RAM
- SVGA monitor
- 540 MB minimum hard disk drive
- Network card
- Two or three button mouse
- CD-ROM drive attached to the bootable SCSI controller
- Keyboard

4 Connect the cables and power cord
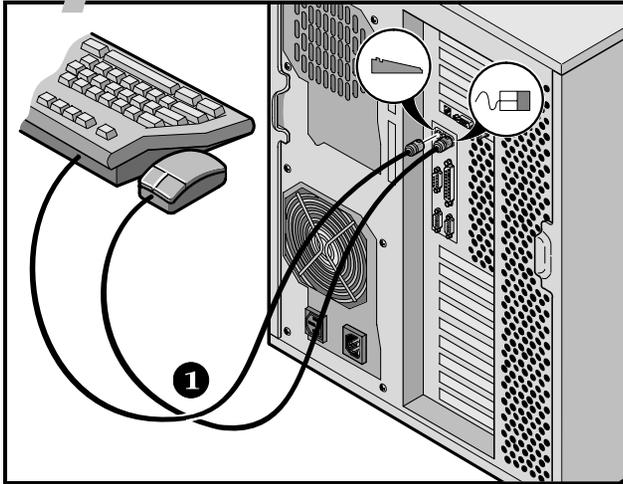
1. Connect the mouse and keyboard cables into the corresponding connectors at the back of the server.

2. Place your monitor near your server. Connect the monitor signal cable to the back of the monitor and then connect it to the matching connector at the back of your server. Note that some monitors have cables permanently attached.

3. Connect the monitor power cord to the back of the monitor if necessary, and then connect it to the matching connector at the back of your server or into a wall outlet.

NOTE

Some large screen monitors (17-inch diagonal and over) require more power than the server's auxiliary ac outlet can supply. These monitors will have power cords that must be connected directly into a wall outlet.
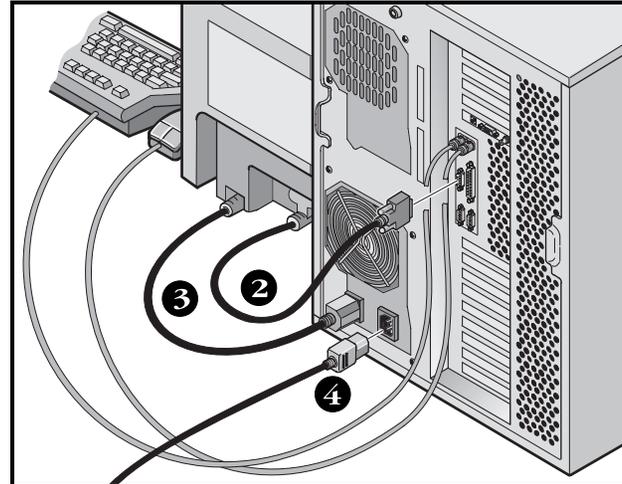
4. Connect the ac power cord to the server and then to your power outlet.

NOTE

If you have a secondary power supply, connect the remaining ac power cord to the secondary power supply, then to your power outlet.

⚠ **CAUTION**
Do not attempt to modify or use an external 100 Vac (Japan only) or 115 Vac power cord for 240 Vac input power. Modifying either cord can cause severe equipment damage.

5 *Ethernet connections*
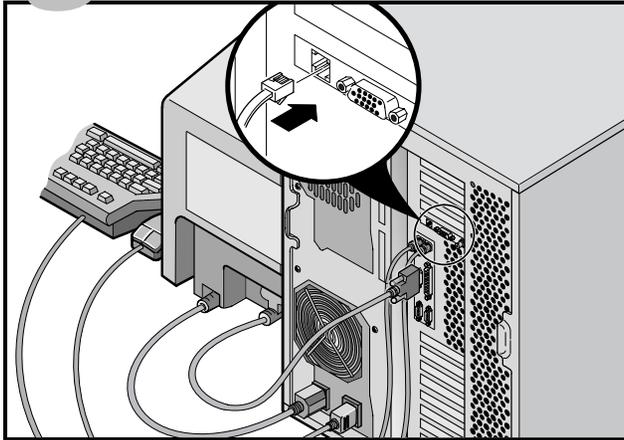
10Base-T (Twisted-Pair)

Your Prioris server is shipped network ready with connectors and onboard circuitry for 10Base-T (Twisted-Pair), 10Base-2 (EtherNet ThinWire) and 10Base-5 (AUI) network cabling.

Contact your network administrator before connecting to either network type.
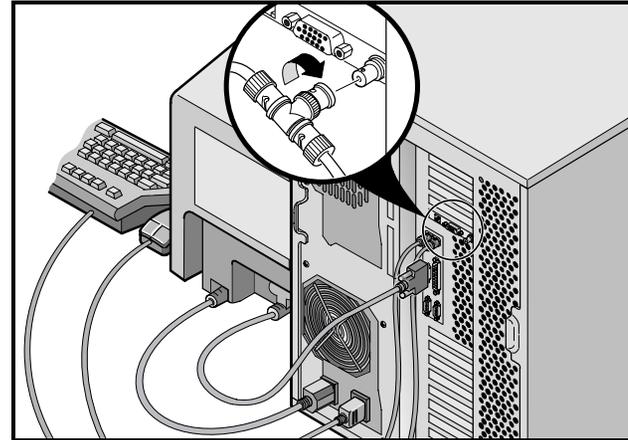
10 Base-2 (ThinWire)
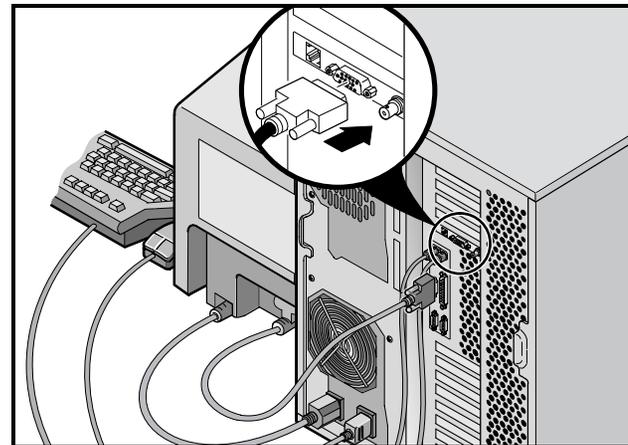
10 Base-5 (AUI)

6 *Turn on the monitor and then the server*
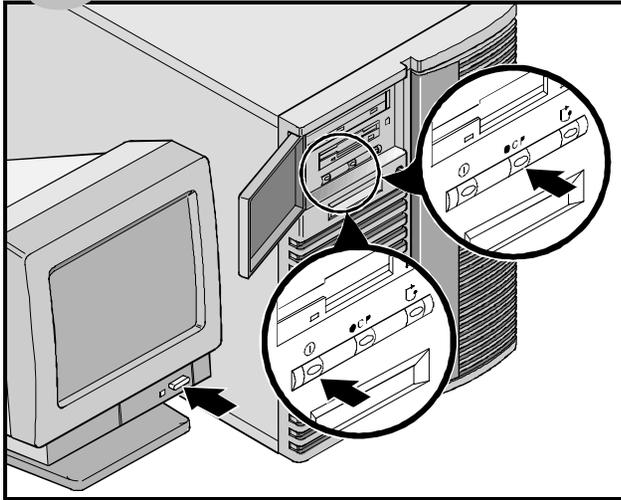
1. Turn on the monitor.
2. Turn on the server.
3. The Operator Control Panel (OCP) display should turn on by itself. If it doesn't, press the OCP button.
4. Adjust the monitor contrast and brightness to obtain a readable screen display.

NOTE

Refer to your System Reference manual for BIOS, Power-on-self-test (POST), and OCP messages.

Front panel switch icons are, from left to right, power, OCP backlight, and system reset.

7 *If you're installing optional expansion cards*

Make sure you are familiar with using:

- The System Configuration Utility (SCU)
- RAID utilities
- The SCSI*Select* Utility

Refer to your System Reference manual, SCSI, and RAID manuals for any additional information.

ISA cards should be installed *after* you run the following System Configuration Utility since the SCU will list IRQs already used. PCI and EISA cards should be installed *before* running the SCU to take advantage of the SCU's automatic detection feature.

Use the Quick Launch CD-ROM disk to complete the server installation. Follow these steps to configure your server.

1. Locate the Quick Launch CD-ROM disk in your Server-WORKS software kit. Power on your server and insert the CD-ROM disk. Press Ctrl + Alt + Del to reboot your server. If your server fails to boot from the CD-ROM, press Ctrl + Alt + Del again, then Ctrl + A, when prompted, to run the SCSI*Select* utility. Enable the Bootable CD-ROM and INT13 lines, exit and reboot.

2. Use the SCU, when displayed, to configure the EISA option cards you installed or to enable the PCI cards. If you installed ISA cards, check the current card configuration to avoid IRQ conflicts before manually setting jumpers and switches.

Your server automatically reboots after you save and exit the SCU.

3. If you installed a RAID controller, the RAID configuration utility will be displayed next. Configure your server for RAID.

NOTE

If you installed additional SCSI or RAID cards, make sure the MS-DOS partition resides on the drive you want it to be on. If not, shut down your server, change the order of your cards and reconfigure your server.

8 *Run the Quick Launch CD-ROM program*
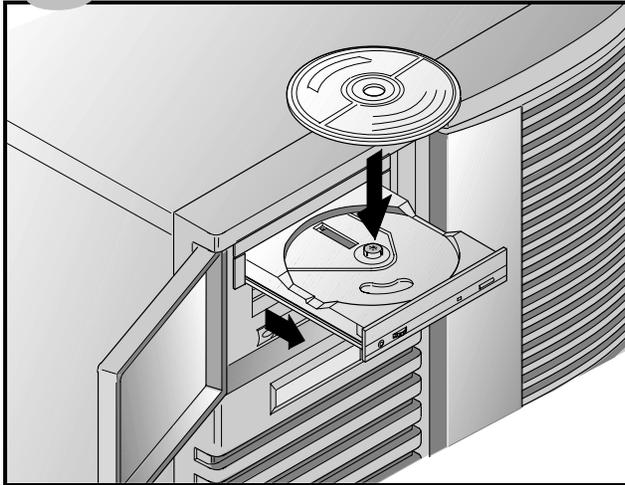
Use the Quick Launch CD-ROM disk to complete the server installation. Follow these steps to configure your server and install an operating system.

NOTE

This procedure assumes that no additional EISA, PCI, or ISA cards have been installed in your server. If you installed optional expansion card(s), you first need to perform the instructions on the previous page.

1. Locate the Quick Launch CD-ROM disk in your Server-WORKS software kit. Power on your server and insert the CD-ROM disk. Press Ctrl + Alt + Del to reboot your server. If your server fails to boot from the CD-ROM, press Ctrl + Alt + Del again, then Ctrl + A, when prompted, to run the SCSI*Select* utility. Enable the Bootable CD-ROM and INT13 lines, exit and reboot.

2. When prompted, enter the MS-DOS partition size. Quick Launch then creates an MS-DOS partition on the hard disk drive using the FDISK utility. Afterwards, your server automatically reboots.

   The Quick Launch main menu appears and all utilities and related files (SCU, diagnostics, RAID, etc.) are installed onto the MS-DOS partition.

3. Select *Installations & Utilities* from the Quick Launch main menu. Choose *Express* for unattended operating system installation of Microsoft Windows NT or Novell NetWare or choose *Conventional* for a traditional operating system installation (SCO UNIX, OS/2, Microsoft Windows NT, or Novell NetWare).

Refer to the Quick Launch Reference Guide included with the ServerWORKS software kit for detailed installation procedures.

9 *Express operating system installation*

Express Installation Microsoft Windows NT Server & Novell NetWare

You will be asked to provide the following information before you can *Express* install Microsoft Windows NT or Novell NetWare.

Windows NT Server

Full Name _____

Organization Name _____

Server Name _____

Product ID _____

NT Server Type _____

License _____

Time Zone _____

Work Group Name/Domain_____

Network
- Install NWLink
- Install NetBEUI
- Install TCP/IP

Novell NetWare

Server Name _____

Organization Name _____

Directory Tree Name _____

Frame Type_____

IPX External Network Number _____

Administrator Password _____

Time Zone _____

Fill in the information as required. Have your Microsoft Windows NT or Novell NetWare software kit ready. Follow the instructions on the screen to begin your operating system installation.

10 *Creating server utility and device driver diskettes*

Use the method described in Step 7 or 8 to boot the Quick Launch CD-ROM disk and configure your server. From the Quick Launch main menu, select *Installations & Utilities.* Choose either the *Conventional* or *Utilities* method to create operating system-specific device driver and server utility diskettes from image files located on the Quick Launch CD-ROM disk. You will need these diskettes to traditionally install Windows NT, Novell NetWare, SCO UNIX, OS/2, and other operating systems.

If you prefer, you can create the required diskettes from Windows 3.1 or Windows for Workgroups based workstations using these procedures:

1. Locate the Quick Launch CD-ROM disk in your ServerWORKS software kit. Insert the CD-ROM disk into the CD-ROM drive.

2. From the Windows Program Manager, select *File*, then *Run*.

3. Enter:
   `qlaunch.exe`

4. Select *Installations & Utilities* from the ServerWORKS Quick Launch main menu.

5. Select either the *Conventional* or *Utilities* method and then your server's operating system. Select your server's model name to view the list of available disk images.

For more information, refer to the ServerWORKS Quick Launch Reference Guide and the on-line help in the ServerWORKS Quick Launch program.

The following is a list of device drivers you might need:

- SCSI—enables your server to operate using the on-board 7880 Adaptec controller.
- Mouse—enables your server to operate using a Logitech mouse.
- Video—enables your server to operate using the on-board Trio video controller or other supported video cards.
- RAID—enables your server to operate using a Mylex RAID controller.
- Network—choose from several device drivers for Digital supported network interface cards.

The following is a list of bootable server utilities:

- SCU—enables you to make a bootable SCU diskette for use when configuring your server and adding options.
- RAID—enables you to make a bootable RAID Configuration Utility diskette for use when configuring your RAID array.
- Diagnostics—enables you to make a bootable diskette for use when troubleshooting your server.

11 *Register your server and review your documentation*

Register

1. Record the server's model number and serial number here.
   - Server Model Description:

   _____
   (located on the front of the server)

   - Server Model Number and Serial Number:

   _____
   (located on the back of the server)

2. Send in the registration card contained in your Prioris Server documentation kit.

Warranty

- 3-year on-site hardware warranty.
- Refer to your Warranty and Service Information for specific warranty terms and conditions.

If You Need Help

If you have questions about your server hardware, software, or warranty, please contact Digital's Customer Service organization.

Before You Call Digital

1. Run the diagnostics shipped with your server to isolate the problem. You can run the diagnostics from the MS-DOS partition created by Quick Launch or you can create a diagnostics diskette from Quick Launch by using the *Utilities* option located under the *Installations & Utilities* button.

2. Have the server's model number and serial number available before you call.

3. Record any error messages and be prepared to describe the sequence of events that led to your problem.

4. Call 1-800-354-9000.

For Technical Information

Technical information is available 24 hours a day on the Digital bulletin board service (BBS). For access call:

US Digital BBS

- 1-508-496-8800

12 Install the ServerWORKS Manager software

After your server and network operating system installation is complete, install Digital's ServerWORKS Manager to:

- Access an easy-to-use server management interface
- Monitor critical PC server statistics
- Obtain an easy-to-read topology map of the network
- Manage server fault conditions
- Support distributed SNMP network devices from anywhere on the LAN

Refer to the ServerWORKS Manager manual for a list of supported operating systems.

NOTE

Refer to the User's Guide in the ServerWORKS software kit for installation information.

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