

Introduction

This Quick Start Guide covers the key points of the installation for your PCI-RAS product. It is intended for systems administrators familiar with the operating systems covered.

Note

See the PCI-RAS Installation and Configuration guide on your CDROM for more detailed information.

Accessing the CDROM

Windows

The CDROM will be automatically mounted a short time after placing it in the CDROM drive. View with Windows Explorer.

SCO

1. Login to your system as super user then load the CDROM into your system CD drive.
2. Mount the CDROM using the **mount -fISO9660 -r /dev/cd0 /cdrom** command.

You can now browse the CDROM content using the File Manager tool in SCO desktop.

Solaris

1. Login to your system as super user then load the CDROM into your system CD drive.

Solaris will automatically mount the CDROM when inserted, and start the file manager application.

You can now browse the CDROM content using the File Management tools within Solaris.

Linux

1. Login to your system as super user then load the CDROM into your system CD drive.
2. At the command prompt, type **mount /mnt/cdrom**.

You can now browse the CDROM content using any one of the file browsers available for Linux.

Installing the PCI-RAS cards

PCI cards are plug-and-play and as such, should be installed before the Perle PCI-RAS card device drivers

Warning

Dangerous voltages exist inside computer systems. Before installing host cards in your system, turn off the power supply and disconnect the power cord.

Caution

Full anti-static precautions should be taken when handling host cards.

To install the PCI-RAS card,

1. Turn off the power to the PC you are going to fit the card to then disconnect the power.
1. Remove the cover of the PC and locate an available PCI slot.
2. Remove the screw and dummy bracket and insert the card ensuring the metal fixing bracket is towards the rear of the PC.
3. Secure the card using the fixing screw. Refit the PC cover, power up the PC and follow the relevant driver installation procedure.

Installing Driver software

Windows 95/98/ME

Windows 95/98/ME supports up to 4 PCI-RAS cards in any combination of 4 or 8 modem cards. With the new card(s) installed correctly, power-up the PC and Windows 95/98/ME will automatically detect the new card(s) and display the Update Device Driver Wizard window.

1. Install the PCI-RAS cards into your system.
2. Load the Perle CD and press **Next**.
3. Enter the drive name for the CD and the path **\drivers\pci-ras\win_9x**x.y.z or browse to select.
4. Press **Finish**. There will be a delay while the Update Device Driver Wizard installs the ports for the PCI-RAS card.
5. Restart the computer.

The driver should then automatically find all of the ports, and the modems on each of the ports. Your PCI-RAS card should be ready to operate with your communications software at this time.

Windows NT4

Windows NT4 supports up to 4 PCI-RAS cards in any combination of 4 or 8 modem cards. The PCI-RAS Windows NT 4 setup files are located on the Perle CD.

1. Install the PCI-RAS cards into your system.

1. Load the CDROM.
2. Access the **\drivers\pci-ras\winnt\portdirector**x.y.z directory in Windows Explorer and double-click on **Setup.exe**.
3. Follow the instructions on screen to install PortDirector.

Note

Any installed PCI-RAS cards will be automatically detected and assigned from PortDirector.

Windows 2000/XP/Server 2003/Vista

Windows 2000/XP/Server 2003/Vista support any mixture of PCI-RAS 4 or 8 modem cards. The PCI-RAS Windows 2000/XP/Server 2003/Vista setup files are located on the Perle CD in: pci-ras/drivers/win2k With the new card(s) installed correctly, power-up the PC and Windows will automatically detect the new card(s) and display the Install Hardware Device Drivers Wizard window.

1. Install the PCI-RAS cards into your system.
2. Load the Perle CD and press **Next**.
3. Enter the drive name for the CD and the path **\drivers\pci-ras\win2k**x.y.z.
4. Select the installation executable for your operating system and install the PCI-RAS drivers.
5. Press **Finish**. There will be a delay while the Install Hardware Device Driver Wizard installs the ports for the PCI-RAS card.
6. Restart the computer.
7. The driver should then automatically find all of the ports, and the modems on each of the ports. Your PCI-RAS card should be ready to operate with your communications software at this time

SCO OpenServer

To install under SCO OpenServer proceed as follows;

1. Install the PCI-RAS cards into your system.
2. Login to your system as super user, then load the CDROM into your system CD drive.
3. Mount the CDROM using the instructions for **SCO** in **Accessing the CDROM**.
4. In the SCO OpenServer desktop, double click on the System Administration folder.
5. In the System Administration window, double click on the software manager icon.
6. In the Software Manager menu, click **Software > Install New**.
7. In the Begin Installation window, click on the **From localhostname** button and then click on **Continue**.
8. In the Select Media window, select the **Media Images** option then click on **Continue**.
9. In the Enter Image Directory window, type; `/cdrom/drivers/pci-ras/openserver/x.y.z` and then click on **OK**
10. In the Install Selection window, click on the **Install** button.
11. If you are installing other drivers, turn off the **Re-link Kernel** option to prevent an unwanted kernel link.

SCO UnixWare

To install the PCI-RAS device drivers and utilities for the SCO UnixWare operating system proceed as follows;

1. Install PCI-RAS cards into your system.
2. Login to your system as super user, then load the CDROM into your system CD drive.
3. Mount the CDROM using the instructions for **SCO** in **Accessing the CDROM**.
4. At the command prompt, enter the following;
`pkgadd -d /cdrom/drivers/pci-ras/unixware/x.y.z/spd-uw-x.y.z.pkg spd`

Linux

To install the device drivers for Linux using the source RPM package proceed as follows:

1. Log in to the LINUX system as root user.

Note

The <packages directory> path name in the following instructions will be different depending on the LINUX distribution you have installed. (i.e. Redhat will have a "redhat" directory; Suse will have a "packages" directory)

The <rpm build command> will change depending on the version of the RPM utilites installed. For newer versions (i.e. 4.2) , the <rpm build command> is "rpmbuild". For older versions use "rpm".

2. At the LINUX prompt, copy the supplied `perle-serial-<version>-<release>.src.rpm` file onto your system in the `/tmp` directory.
3. Install the source rpm by typing the following command:
`rpm -ivh perle-serial-<version>-<release>.src.rpm`
4. Build the binary RPM package for your system by entering the following commands:
`cd /usr/src/<packages directory>/SPECS`
`<rpm build command> -bb perle-serial-<version>.spec`
5. Install the binary RPM which was just created. Enter the following commands:
`cd /usr/src/<packages directory>/RPMS/<arch>`
`rpm -ivh perle-serial-<version>-<release>.<arch>.rpm`

The <arch> value is the architecture of your LINUX machine such as "i386" or "alpha".

Solaris (Intel)

To install under Solaris (Intel) proceed as follows;

1. Install any PCI-RAS cards into your system.
2. Login to your system as root, then load the CDROM into your system CD drive.
3. At the command prompt, type `pkgadd -d /cdrom/drivers/pci-ras/solaris/x.y.z/fast-sol-x.y.z.pkg comf` and press Enter.
4. The system now installs and your PCI-RAS cards are ready to use.



Contacting Perle Technical Support

Perle offers free technical support to Perle Authorised Distributors and Registered Perle Resellers.

To access technical support please visit the Perle website at www.perle.com/support. Here you will find:

- latest drivers and firmware updates for download
- technical tips
- frequently asked questions
- documentation
- configuration support
- cabling information
- maintenance contract information
- and much more...

If you are unable to find the information you require, please feel free to contact our technical support teams by email at:

USA

Email: ptac@perle.com

Europe

Email: ptacemea@perle.com

Asia

Email: ptacasia@perle.com

Internet

www.perle.com/support_services/index.shtml

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PCI-RAS

Multi-Modem Cards

Quick Start Guide



- 4 ports or 8 port variants
- Plug and play
- Single interrupt per card
- V.92 Data/Fax modem