

# **Installing Instruction**

## **Hardlock Internal PCI Hardlock Server Internal PCI**

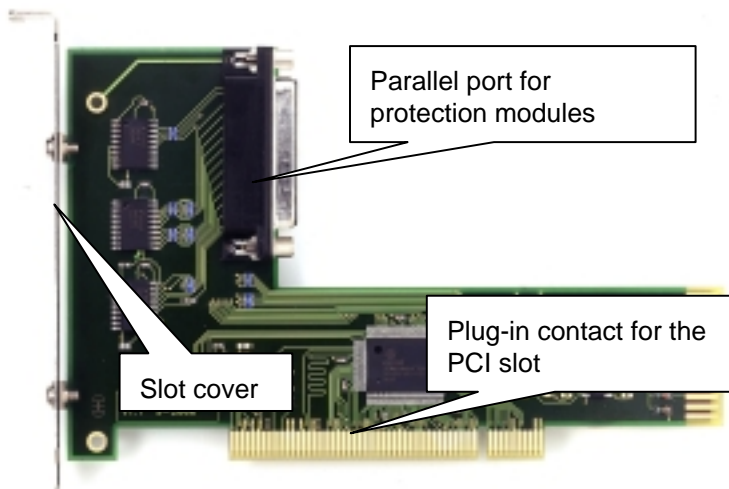


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## Hardlock Internal PCI

### Hardlock Server Internal PCI

You have purchased software which is licensed with hardware. The software will not run with its full range of functions unless you have the appropriate hardware, a Hardlock module.

**Note** Please note that the conditions for use are largely dependent on how your software vendor has protected the software. As a result, the procedures explained here may differ from the actual situation. If in doubt, follow the instructions given by the software vendor.

Hardlock modules for the PCI slot also serve as a special parallel card which gives you the following options:

- You can connect additional Hardlock modules to the parallel slot on the card.
- You can connect the installed Hardlock modules to the external interface using the supplied cable. This gives you an extra parallel port, which you can use for additional protection keys, a printer, or other peripherals.

### Necessary steps

- Install the drivers for the hardware, unless the installation is already integrated in the installation routine of the protected program.
- Prepare the hardware.
- Install the hardware.
- Install the drivers for the extra parallel port, also if you don't want to use it.

### Installing the Hardlock Drivers

The appropriate drivers must be installed in order to use the Hardlock modules. To do this, run HLDRV32.EXE.

To use Hardlock Internal PCI and Hardlock Server Internal PCI you need to install at least HARDLOCK.VXD 2.50 and HARDLOCK.SYS 2.50. The version numbers display when you run HLDRV32.EXE. Contact your software vendor if you have any doubts or meet any problems.

**Note**        Driver installation may already have been integrated in the installation routine for the protected software. This means there is no need to perform the installation again. Contact your software vendor if you have any doubts.

### Preparing the Hardware

1. Use a wrist grounder to ground yourself or briefly touch a metal part of the computer housing.
2. *Carefully* unpack the card. Avoid touching any components or connection contacts when doing this. If you do, there is a risk of irreparable damage to components due to static discharges.
3. If required connect additional protection modules to the parallel port on the card and tighten the screws.

**Note:**    We cannot guarantee that it will be possible to daisy-chain protection modules made by other manufacturers.

4. Use the supplied cable to connect the last protection module to the slot cover on the card. This step is only necessary if you wish to use the card externally as an extra parallel port.

## Installing the Card

1. Switch off the computer and disconnect the main plug. Disconnect any other cables if required and open the housing.
2. Use a wrist grounder to ground yourself or briefly touch a metal part of the computer housing.
3. Select an unused PCI slot and remove the corresponding slot cover from the computer housing.
4. Install the card in the appropriate slot. Make sure the slot cover is pointing towards the housing. First, carefully press the side facing away from the computer housing into the interface, then the side facing the housing.
5. Tighten the slot cover onto the computer housing.
6. Put back the housing cover, reconnect the computer to the power supply and connect the cables which were removed previously.

## Installing the Drivers for the Parallel Port

After installing the hardware you need to install the drivers for the parallel port. This step is *always* required, also if you don't want to use the parallel port. The procedure depends on the operating system.

### Windows NT4

To install drivers under Windows NT you need to be logged on as an administrator.

1. Start the computer.
2. Start the supplied installation wizard for installing the drivers, ACPCI\_INSTALL.EXE. The PCIACS.INF and PCIACS.SYS files must be in the same folder.
3. Follow the instructions of the installation wizard.
4. Restart the computer.

The card will now be detected automatically. The new parallel port is generally assigned to LPT2.

### Windows 95/98/ME and Windows 2000/XP

To install drivers under Windows 2000/XP you need to be logged on as an administrator.

1. Start the computer.

A message is displayed informing you that new hardware has been located. The device driver installation wizard opens.

2. Follow the instructions in the wizard. Search for the file automatically or enter the name of the folder in which the AKSPCI.INF and AKSPCI2.INF driver files are located. The file is located on the supplied Aladdin CD or in a folder on the CD provided by your software supplier. The AKSPPVI.DLL and AKSPP.VXD files must be in the same folder (not with Windows 2000/XP).

3. Repeat the procedure if required.

4. Restart the computer following driver installation. This step is not required with Windows 2000/XP.

The card will now be detected automatically. The new parallel port is generally assigned to LPT2.

A random address is assigned to the parallel port under Windows NT4/2000/XP. Address 0x378, if available, is assigned with Windows 95/98/ME. Otherwise, address 0x278 is assigned.

### Note on driver installation under Windows XP

Under Windows XP drivers for Plug&Play devices (USB, PCI, PCMCIA) are installed with a signature. The signature ensures that the driver fulfills the quality criteria for Windows XP.

In spite of this it is still possible to install drivers without a signature. This requires that Windows XP is configured not to block drivers without signature. You can change this setting under **Driver Signing** on the **Hardware** tab in **System Settings**.