



SN-KZPCA-AA SCSI Controller Installation Instructions

EK-KZPCA-IN. A01

Purpose

This document describes the steps needed to install the single channel LVD SCSI controller, SN-KZPCA-AA, in your Alpha Workstation. This document assumes that the operating system has been previously loaded onto the system disk using the embedded 1040B/C SCSI controller.

Minimum Supported Operating System Versions

Windows NT	4.0 +SP3
Tru64 UNIX	4.0F
OpenVMS	7.1-2

Configuration Restrictions

If this SCSI controller is connected to *external* single ended expansion enclosures such as the BA356 family, under certain conditions the disk drives in this enclosure may not be visible to the console firmware (AlphaBIOS or SRM). To clear this condition, you must *power cycle* both the system and the external expansion enclosures.

Performance Notice

Only LVD capable disk drives should be connected to this controller in order to achieve the maximum SCSI transfer rate available. Tape drives and other storage devices that are not LVD capable should be left connected to the embedded 1040 SCSI controller that originally came with the system.

Windows NT System Installation

To install the SN-KZPCA-AA SCSI controller in a system running the Windows NT operating system, follow these procedures.

1. Shut down the operating system and power the system off.
2. Install the controller in an open 32- or 64-bit PCI slot. *Do not change any cabling until Step 6 below.*
 - a) Remove the cover by loosening the three thumb screws that fasten the system cover to the rear of the enclosure. Slide the cover back, then up and away from the enclosure.
 - b) There may be a MAU or similar option card blocking access to the PCI slots. If so, remove the option screw from the rear of the enclosure. Disconnect the option card cable from its connector on the MLB, and remove the option card.

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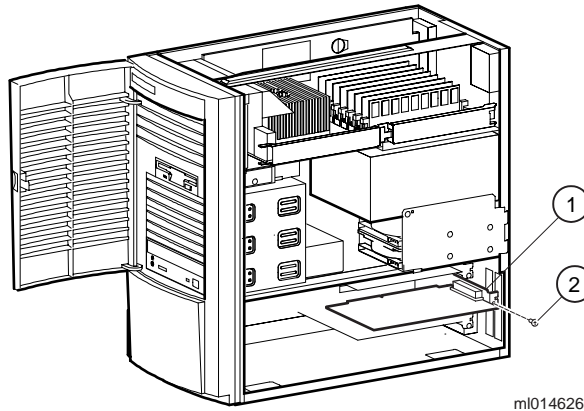
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- c) Remove the slot cover from the rear of the PCI slot ① you wish to use for the SN-KZPCA-AA SCSI controller by removing the screw ②.
- d) Slide the SN-KZPCA-AA SCSI controller into the PCI slot, and use the cover screw to secure it from the rear.



3. Power up the system and boot NT.
4. Install the driver from the CD provided with this option.
5. Shut down the operating system and power the system off.
6. Change the SCSI bus cabling. Leave non-LVD capable devices connected to the embedded controller. Unplug the LVD disks from the original SCSI bus cable. Install the new SCSI bus cable. Plug the new terminator provided, into one end of the cable. Plug in the LVD disks to the appropriate cable connectors on the new SCSI cable. Plug the other end of the new cable into the new LVD controller.
7. Power up the system and boot NT.

Note

Compaq recommends that you use the Symbios *SDMS Software Device Driver and Utilities* CD to build a separate driver diskette. This driver diskette will be necessary in case you need to rebuild the NT operating system from scratch. Follow the instructions on the CD to build the driver diskette for Windows NT 8XX drivers on Alpha systems. Label and store the diskette in a safe place for future use.

OpenVMS System Installation

To install the SN-KZPCA-AA SCSI controller in a system running the OpenVMS operating system, follow these procedures.

1. Shut down the operating system and power the system off.
2. Install the controller in an open 32- or 64-bit PCI slot as described in Step 2 of the Windows NT installation above.
3. Change the cabling as described in Step 6 of the Windows NT installation above.
4. Power up the system and boot the operating system.

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Tru64 UNIX System Installation

To install the SN-KZPCA-AA SCSI controller in a system running the Tru64 UNIX operating system, follow these procedures.

Note

It is *not* recommended that this controller be installed on an existing Tru64 UNIX system disk due to the difficulty in reassigning the system disk to a new controller and getting the partitions right on the system disk.

Compaq recommends that you install the SN-KZPCA-AA SCSI controller and then completely reinstall the Tru64 UNIX operating system per the following steps.

1. Be sure that there are no user files on the system disk that you want to keep. If there are file that you wish to keep, they should be copied to another data disk, as they will be lost when UNIX is reinstalled on the system disk.
2. Shut down the operating system and power the system down.
3. Install the controller in any open 32- or 64-bit PCI slot as described in Step 2 of the Windows NT installation above.
4. Change the cabling as described in Step 6 of the Windows NT installation.
5. Power up system. Reload the UNIX operating system on the system disk from the UNIX CD, minimum version is 4.0F, previously purchased.

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