



# Release Notes

## KZPSA SCSI Storage Adapter Module

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*Be sure to read these notes before installing the KZPSA SCSI Storage Adapter module into your AXP workstation or server.*

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### **INTRODUCTION**

The KZPSA SCSI Storage Adapter is a high-performance Peripheral Component Interconnect (PCI) option module that serves as a pathway between the system's PCI I/O bus and a single 16-bit Fast Wide Differential SCSI bus. This document describes any known issues or restrictions when using the KZPSA SCSI Adapter within your system configuration. This document contains these sections:

- PARTS LIST FOR KZPSA-BB
- SUPPORTED AXP SYSTEMS
- VERIFIED DEVICE LISTING
- CONSOLE FW
- RESTRICTIONS

### **PARTS LIST FOR KZPSA-BB**

Part Number	Description
EK-KZPSA-RN	Release Notes for the KZPSA-BB (this document)
54-22944-01	KZPSA PCI to FWD SCSI Module
EK-KZPSA-UG	KZPSA SCSI Storage Adapter User's Guide
AK-QGTNH-CA	KZPSA Alpha AXP Software diskette
74-47802-01	Offset Extender Bracket

### **SUPPORTED AXP SYSTEMS**

The KZPSA is supported on the following AXP workstations and servers:

- AlphaStation 400
- AlphaServer 400
- AlphaServer 1000
- AlphaServer 2000
- AlphaServer 2100
- AlphaServer 8200
- AlphaServer 8400

## **VERIFIED DEVICE LISTING**

The following table lists SCSI devices and their associated firmware which have been tested and have passed compatibility testing with the KZPSA adapter as of the date on this Release Note. We have not tested every existing computer and/or device in all possible configurations. Refer to the Restrictions section within this Release Note for known specific Operating System device restrictions.

<b>Device Type</b>	<b>Description</b>	<b>Note</b>	<b>Minimum FW Rev.</b>
<b>8-bit Single-Ended Devices</b>			
RZ25	426 MB 3.5" Disk		0900
RZ25L	535 MB 3.5" Disk		0008
RZ26	1.05 GB 3.5" Disk		X384
RZ26L	1.05 GB 3.5" Low Profile Disk		440C
RZ26N	1.05 GB 3.5" Disk		0568
RZ28	2.1 GB 3.5" Disk		441C
RZ28B	2.1 GB 3.5" Disk		0006
RZ28M	2.1 GB 3.5" Disk		0466
RZ28D	2.1 GB 3.5" 7200 RPM Disk		0008
RZ29B	4.2 GB 3.5" 7200 RPM Disk		0007
RZ73	2.0 GB 5.25" Disk		T366
RZ74	3.5 GB 5.25" Disk		427H
TZ86	6 GB Digital Linear Tape		430B
TZ87	20 GB Digital Linear Tape		9003
TZ875	100 GB 5 Cartridge DLT Loader		930A
TZ88	20/40 GB Digital Linear Tape	2	CC29
TLZ06	4 GB 4-mm Digital Audio Tape		0491
TLZ07	8 GB 4-mm Digital Audio Tape		04AT
TLZ6L	16 GB 4 Cartridge DAT Loader	2	0491
TKZ09	5 GB 8-mm Helical Scan Tape	2	045H
TZK10	525 MB QIC Tape		02B5
TZK11	2 GB QIC Tape		00X2
RRD42	600 MB 1X CD-ROM Drive		4.5d
RRD43	680 MB 2X CD-ROM Drive	1	1084
RRD44	680 MB 2X CD-ROM Drive	1	1094
RRD45	600 MB 4X CD-ROM Drive		1645
<b>16-bit Single-Ended Devices</b>			
RZ26L-W	1.05 GB 3.5" Low Profile Disk		442E
RZ26N-W	1.05 GB 3.5" Disk		0568
RZ28-W	2.1 GB 3.5" Disk		442E
RZ28M-W	2.1 GB 3.5" Disk		0466
RZ28D-W	2.1 GB 3.5" 7200 RPM Disk		0008
RZ29B-W	4.2 GB 3.5" 7200 RPM Disk		0007
<b>16-bit Differential Devices</b>			
HSZ10	RAID Array Controller		0306
HSZ40	RAID Array Controller		V2.5

### **Note:**

- 1) Use a DWZZB converter with your KZPSA to connect to the RRD43 or RRD44.
- 2) No Windows NT Support at this time.

## **CONSOLE FIRMWARE**

Some first generation AlphaServer systems contained console code which did not support the KZPSA-BB. In order for these systems to support the KZPSA-BB, your system firmware must be at the **minimum** revision level as listed in the table below. If your system is at a lower revision level, contact Customer Service for upgrading your console firmware to the latest release. The revisions are displayed during system power on.

<b>SYSTEM</b>	<b>SRM</b>	<b>ARC</b>
AlphaServer 1000	3.0-12	4.26
AlphaServer 2x00	3.11-19	3.5-31

## **RESTRICTIONS**

### **Miscellaneous:**

- Certain older SCSI disk and tape devices that cannot properly handle wide SCSI transfer negotiations might not work correctly with the KZPSA adapter. For example, when you use the console command *show config*, the system will not display information about these older disk or tape devices, i.e. RZ58.

*To avoid this problem, contact your Digital services representative to verify your device contains the latest firmware revision and/or run the KZPSA Utility (described in Chapter 6 of KZPSA Users Guide) to disable Wide Negotiation for the device.*

### **OSF/1 Restrictions:**

- The minimum OSF revision that supports the KZPSA is V3.2A rev. 17. The Complimentary Products CD-ROM is used to update V3.2 to this minimum revision.
- OSF/1 supports the use of up to seven SCSI devices for each KZPSA storage adapter.
- The KZPSA-BB adapter is supported on DECSafe Available Server revision V1.2 or greater.
- DECSafe V1.2 support of the KZPSA now requires firmware revision A10. You will notice the DECSafe ASE V1.2 documentation references A04 firmware. The minimum revision required is superseded by this new revision.
- In a DECsafe environment which contains KZPSAs with firmware A06 or older, firmware upgrades to A10 should be done in a sequence starting with the KZPSA that has the lowest SCSI bus node number. The system that has the lowest node numbered adapter should be upgraded first, and the highest should be upgraded last. This is only critical if other nodes remain operational during the upgrade process.

### **Windows NT Restrictions:**

- The minimum NT revision that supports the KZPSA is Version 3.50 [Build 807].
- The minimum NT driver revision that supports the KZPSA is 1.30.
- NT does not support TKZ09, TLZ6L, or the TZ88 through the KZPSA.
- NT supports the TLZ875 and TLZ877 loaders in single tape operation only through a KZPSA.
- NT does not support the HSZ10 or HSZ40 through the KZPSA.
- Refer to Windows NT Hardware Compatibility List for devices supported.

### **OpenVMS Restrictions:**

- The minimum OpenVMS revision that supports the KZPSA is V6.2.
- OpenVMS supports the use of upto seven SCSI devices for each KZPSA storage adapter.
- OpenVMS does not support the HSZ10 through the KZPSA.
- The minimum KZPSA hardware revision that is supported under OpenVMS is F01.

**KZPSA Restrictions:**

- There have been some reported cases where the CNFGDIAG and FWUPDATE utilities did not function properly when multiple KZPSAs were installed in an AlphaServer 2X00 containing ARC console rev 3.51. The work around is to install only one KZPSA at a time and to configure that one module. Configuration information is stored in non-volatile memory so each module can be set up one at a time. After each module has been individually configured, all modules may be installed in the system.
- KZPSA-BB firmware must be revision A10 or greater for all applications.