d i g i t a l™

*Storage***Works**

Dear RAID Array 7000, ESA 10000, HSZ70 Customer,

The Product Registration information which you provided to DIGITAL indicates that you are eligible for an no-charge upgrade to ULTRA SCSI host adapter(s) for use with your HSZ70–based storage subsystem.

This letter details what you need be aware of before installing the KZPBA in an Alpha system. Free installation is provided in established DIGITAL service areas worldwide. Service is available during normal working hours and is limited to replacement of operational KZPSA(s) with the KZPBA(s) when connected to a HSZ70–based subsystem. You may retain the replaced KZPSA for your use in another system, or, per your request, DIGITAL service personnel can remove the KZPSA module for environmentally sound disposal. DIGITAL Multivendor Customer Service contact information is documented in the HSZ70 Solutions Software kits.

The KZPBA-CB adapter is supported on the following AlphaServer systems:

- Alpha Server 1200 (maximum of 4 adapters)
- Alpha Server 4000 (maximum of 8 adapters)
- Alpha Server 4100 (maximum of 5 adapters)
- Alpha Server 8200 (maximum of 8 adapters)
- Alpha Server 8400 (maximum of 8 adapters)

The DIGITAL UNIX , OpenVMS, and Windows NT operating systems are supported using the KZPBA adapter. Windows NT clusters are supported at this time. DIGITAL UNIX and OpenVMS operating systems will support clustering at a later date. The list of supported operating system versions and corresponding cluster versions are identified in the attached tables. The tables reflect support information needed for proper installation and support as of January 29,1998. In some cases, you may have to delay installation of the KZPBA replacement until the required system and version is supported. Up to date information can be found through web access at address:

http://www.storage.digital.com./swrks/homepage/ultra/

by selecting "*Hot News*"

Digital appreciates the confidence you have shown in one of our newest storage subsytems!

RA7000 & ESA10000 with KZPSA-BB Host Adapter (as of 29-Jan-1998)

	Patch Kit Name/Number	Availability	Notes
DigitalUNIX	*Firmware A11*		
3.2G	DIGITAL UNIX Patch Kit 3 DUV32GAS00003-*.tar	Now	• Patch Kits are at *www.service.digital.com*. • Use keyword **KZPBA** to search for 3.2G patch kits. Look for exact file names listed (*.tar)
TCR 1.0	patches.osf-tcr1.0-24oct1997.tar.Z	Now	***.tar** refers to the manufacturing date of the patch kit; use the latest date available
ASE 1.3	patches.osf-ase1.3-22Oct1997.tar.Z	Now	• For proper operation on DIGITAL UNIX 3.2G you must first install Patch Kit 3 and then add the special
TCR 1.0 ASE 1.3	DIGITAL UNIX Patch Kit 246.00 DUV32GSS0000300024600-*.tar	30-Jan-98	Patch Kit 246**.** These procedures apply to both patch kits listed for TCR1.0 as well as ASE1.3; Install file patches.osf* first, followed by *hz70-bl9er.
	TCR10hsz70-bl9er.tar	30-Jan-98	• Install only the Patch Kits that are appropriate to your configuations
	ASE13hsz70-bl9er.tar	30-Jan-98	
	NOTE: HSZ70 and KZPSA support will be fully integrated into DIGITAL UNIX 3.2G Patch Kit 4 and the next ASE1.3 and TCR1.0 patch kits.		
4.0B	DIGITAL UNIX Patch Kit 226.00 DUV40BSS0000500022600-*.tar	Now	• Patch Kits are at *www.service.digital.com* • Use keyword **HSZ70** to search for 4.0B and TCR1.4A patch kits. Look for exact file names listed (*.tar)
TCR 1.4A	TCR14Ahsz70-bl8er.tar	Now	***.tar** refers to the manufacturing date of the patch kit; use the latest date available
4.0D	Native Support	19-Jan-98	
TCR 1.5	Native Support	19-Jan-98	
OpenVMS	*Firmware A11*		
6.2-1H3	TBD	13-Feb-98	• Qualification of 6.2-1H3 and KZPSA-BB in HSZ70 configuration is in progress. Tima kit may be required.
7.0	Support not planned		• Customers must upgrade to 7.1-1H1
7.1	Support not planned		• Customers must upgrade to 7.1-1H1
7.1-1H1	Native Support	30-Oct-97	
WindowsNT	*Firmware A11/Driver 1.41*		
3.51	Service Pack 5	Now	There is no RA7000/ESA10000 cluster support under version 3.51 with the KZPBA-CB or KZPSA-BB
4.0	1. Service Pack 3	Now	1. Service Pack 3 required for standalone RA and direct attached configurations
	2. Microsoft Cluster Server V1.0		2. Microsoft Cluster Server software is supported under Windows NT 4.0 with RA7000/ ESA10000 configurations
	3. DIGITAL Clusters V1.1, Service Pack 1		3. Digital Clusters software is supported under Windows NT 4.0 with RA7000/ ESA10000 configurations

RA7000 & ESA10000 with KZPBA-CB Host Adapter (as of 29-Jan-1998)			
	Patch Kit Name/Number	**Availability**	**Notes**
DigitalUNIX	*Firmware 5.53*		
3.2G	1. DIGITAL UNIX Patch Kit 3 DUV32GAS00003-*.tar ***.tar** refers to the manufacturing date of the patch kit; use the latest date available	Now	1. Patch Kits are at *www.service.digital.com*. For proper operation on DIGITAL UNIX 3.2G, Patch Kit 3 **MUST** be installed Use keyword **KZPBA** to search for 3.2G patch kits. Look for exact file names listed (*.tar)
ASE 1.3	2. ASE 1.3	TBD	2. KZPBA-CB does not support clusters at this time; Cluster functionailty is planned to be integrated into DIGITAL UNIX 3.2G patch kit 4 and the next ASE1.3 patch kit
TCR 1.0	3. TCR 1.0	Not Supported	3. KZPBA-CB will **not** support TruClusters 1.0.
4.0B	1. DIGITAL UNIX Patch Kit 6 DUV40BAS00006-*.tar ***.tar** refers to the manufacturing date of the patch kit; use the latest date available Patch Kit 6 was not integrated into the 4.0D release. Therefore, any systems whose operation depends upon this patch **cannot upgrade** to 4.0D. The inaugural 4.0D Patch Kit is required for proper system operation and has a target delivery date of 6-Mar-98.	Now	1. Patch Kits are at *www.service.digital.com* For proper operation on DIGITAL UNIX 4.0B, Patch Kit 6 **MUST** be installed Use keyword **HSZ70** to search for 4.0B patch kit. Look for exact file names listed (*.tar)
TCR 1.4A	2. TCR 1.4A	TBD	2. KZPBA-CB does not support clusters at this time; Cluster functionailty is planned to be integrated into DIGITAL UNIX 4.0B patch kit 7 and the next TCR1.4A patch kit, expected in the March timeframe.
4.0D	Native Support	19-Jan-98	
TCR 1.5	1. TCR 1.5	TBD	1. KZPBA-CB does not support clusters at this time; Cluster functionailty is planned to be integrated into the next DIGITAL UNIX 4.0D and TCR1.5 patch kit, expected in the March timeframe.
OpenVMS	*Firmware 5.53*		
6.2-1H3	TBD	TBD	• KZPBA-CB will not be supported in clusters with V6.2-1H3
7.0	Support not planned		• Customers must upgrade to 7.1-1H1
7.1	Support not planned		• Customers must upgrade to 7.1-1H1
7.1-1H1	Native Support	Now	• KZPBA-CB does not support clusters at this time; Multi-host functionality is planned to be integrated into a future Tima kit, expected in the March timeframe.
WindowsNT	*Firmware 4.49 / Driver 2.28*		
3.51	Service Pack 5	Now	There is no RA7000/ESA10000 cluster support under version 3.51 with the KZPBA-CB or KZPSA-BB
4.0	1. Service Pack 3 2. Microsoft Cluster Server V1.0 3. DIGITAL Clusters V1.1, Service Pack1	Now	1. Service Pack 3 required for standalone RA and direct attached configurations 2. Microsoft Cluster Server software is supported under Windows NT 4.0 with RA7000/ ESA10000 configurations 3. Digital Clusters software is supported under Windows NT 4.0 with RA7000/ ESA10000 configurations