



Dear RAID Array 7000, ESA 10000, HSZ70 Customer,

The Product Registration information which you provided to DIGITAL indicates that you are eligible for a 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 800/800+ (maximum of 2 adapters)
- Alpha Server 1000A (maximum of 4 adapters)
- Alpha Server 1200 (maximum of 4 adapters)
- Alpha Server 2000 (maximum of 3 adapters)
- Alpha Server 2100 (maximum of 3 adapters)
- Alpha Server 2100A (maximum of 4 adapters)
- Alpha Server 4000 (maximum of 8 adapters)
- Alpha Server 4100 (maximum of 5 adapters)
- Alpha Server 8200 (maximum of 12 adapters)
- Alpha Server 8400 (maximum of 12 adapters)

The DIGITAL UNIX, OpenVMS, and Windows NT operating systems are supported using the KZPBA adapter. Windows NT and OpenVMS clusters are supported at this time. DIGITAL UNIX 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 May 1, 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/sup_html/techtips/adapters/ultra_adapter.htm

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

RA7000 & ESA10000 with KZPSA-BB Host Adapter (as of 01-May-1998)

	Patch Kit Name/Number	Availability	Notes
DigitalUNIX	Firmware A11		
3.2G	DIGITAL UNIX Patch Kit 3 DUV32GAS00003-*.tar	Now	<ul style="list-style-type: none">Patch Kits are at www.service.digital.com.Use keyword KZPBA to search for 3.2G patch kits and "patches.osf-" to locate ASE and TCR kits. Look for exact file names listed (*.tar)*.tar refers to the manufacturing date of the patch kit; use the latest date availableFor proper operation on DIGITAL UNIX 3.2G you must first install Patch Kit 3 and then add the special 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.Install only the Patch Kits that are appropriate to your configurations
TCR 1.0	TCR1000002-19971024 patches.osf-tcr1.0-24oct1997.tar.Z	Now	
ASE 1.3	ASE130003-19971022 patches.osf-ase1.3-22Oct1997.tar.Z	Now	
	DIGITAL UNIX Patch Kit 246.00 DUV32GSS0000300024600-*.tar	Now	
TCR 1.0	TCR10hsz70-bl9er.tar	Now	
ASE 1.3	ASE13hsz70-bl9er.tar	Now	
	NOTE: HSZ70 and KZPSA support is planned to 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 6 DUV40BAS00006-*.tar	Now	<ul style="list-style-type: none">Patch Kits are at www.service.digital.comFor proper operation on DIGITAL UNIX 4.0B, Patch Kit 6 MUST be installed as well as TCR1.4A kitUse keyword HSZ70 to search for 4.0B and TCR1.4A patch kits. Look for exact file names listed (*.tar)*.tar refers to the manufacturing date of the patch kit; use the latest date available
TCR 1.4A	TCR14Ahsz70-bl8er.tar	Now	
	Patch Kit 6 was not integrated into the 4.0D release. Therefore, any systems whose operation depends upon this patch must upgrade to 4.0D Patch Kit 1 (DUV40DAS00001-19980312.tar).		
4.0D	Native Support	Now	
TCR 1.5	Native Support	Now	
OpenVMS	Firmware A11		
6.2-1H3	OpenVMS TIMA Kit ALPSCSI05_62 for OpenVMS V6.2	Now	<ul style="list-style-type: none">Tima Kits are at www.service.digital.comFor proper operation on OpenVMS 6.2-1H3 listed TIMA Kit MUST be installedUse keyword HSZ70 to search for OpenVMS TIMA KitCustomers must upgrade to 7.1-1H1Customers must upgrade to 7.1-1H1
7.0	Support not planned		
7.1	Support not planned		
7.1-1H1	Native Support	Now	
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 2. Microsoft Cluster Server V1.0 3. DIGITAL Clusters V1.1, Service Pack 1	Now	<ol style="list-style-type: none">Service Pack 3 required for standalone RA and direct attached configurationsMicrosoft Cluster Server software is supported under Windows NT 4.0 with RA7000/ ESA10000 configurationsDigital Clusters software is supported under Windows NT 4.0 with RA7000/ ESA10000 configurations

RA7000 & ESA10000 with KZPBA-CB Host Adapter (as of 01-May-1998)

	Patch Kit Name/Number	Availability	Notes
DigitalUNIX <i>Firmware 5.53</i>			
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 functionality is planned for CY98Q3.
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 must upgrade to 4.0D Patch Kit 1 (DUV40DAS00001-19980312.tar).	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 functionality is planned for CY98Q3.
4.0D	Native Support	Now	
TCR 1.5	1. TCR 1.5	TBD	1. KZPBA-CB does not support clusters at this time; Cluster functionality is planned for CY98Q3.
OpenVMS <i>Firmware 5.53</i>			
6.2-1H3	1. TBD – New Tima kit will be required	31-Jul-98	1. KZPBA-CB will not be supported in clusters with V6.2-1H3
7.0	2. Support not planned		2. Customers must upgrade to 7.1-1H1
7.1	3. Support not planned		3. Customers must upgrade to 7.1-1H1
7.1-1H1	4. Native Support for direct attached OpenVMS TIMA Kit for SCSI clusters ALPSCSI04_71 for OpenVMS V7.1-1H1 and V7.1-1H2	Now Now	4. Tima Kits are at www.service.digital.com For proper Multi-host operation on OpenVMS 7.1-1H1 and 7.1-1H2 specified TIMA Kit MUST be installed Use keyword HSZ70 to search for OpenVMS TIMA Kit.
WindowsNT <i>Firmware 4.49 / Driver 2.28</i>			
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 Pack 1	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