



Dear RAID Array 7000, ESA10000, HSZ70 Customer,

The Product Registration information which you provided to Compaq 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 Compaq 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, Compaq service personnel can remove the KZPSA module for environmentally sound disposal. Compaq 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 48 adapters on DIGITAL UNIX and 26 on OVMS)
- Alpha Server 8400 (maximum of 48 adapters on DIGITAL UNIX and 26 on OVMS)

Note: The maximum number of shared KZPBA-CB SCSI Bus rails in a cluster is currently eight.

DIGITAL UNIX 4.0D/TruCluster Production Server 1.5, OpenVMS 7.1-1H1, and Windows NT 3.0 operating systems are supported with the KZPBA-CB adapter in cluster environments on the above AlphaServers. However, the AlphaServer 2x000 series are not supported on DIGITAL UNIX TruClusters at this time. 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 November 30, 1998. Detailed information on supported configurations and devices can be found in the Systems and Options Catalog through web access at address:

<http://www.digital.com/SOHOME/> ;select DIGITAL Storage Adapters

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

**RA7000 & ESA10000 with KZPSA-BB Host Adapter (as of 30-November-1998)**

	<b>Patch Kit Name/Number</b>	<b>Availability</b>	<b>Notes</b>
<b>Digital UNIX</b>	<b>Firmware A11</b>		
3.2G	DIGITAL UNIX Patch Kit 3 DUV32GAS00003-*.tar	Now	<ul style="list-style-type: none"> <li>• Patch Kits are at <a href="http://www.service.digital.com">www.service.digital.com</a>.</li> <li>• Use keyword <b>KZPBA</b> to search for 3.2G patch kits and "<b>patches.osf-</b>" to locate ASE and TCR kits. Look for exact file names listed (*.tar). *<b>.tar</b> refers to the manufacturing date of the patch kit; use the latest date available.</li> <li>• For 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.</li> <li>• Install only the Patch Kits that are appropriate to your configurations.</li> </ul>
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	30-Jan-98	
TCR 1.0	TCR10hsz70-bl9er.tar	30-Jan-98	
ASE 1.3	ASE13hsz70-bl9er.tar	30-Jan-98	
	<b>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.</b>		
4.0B	DIGITAL UNIX Patch Kit 6 DUV40BAS00006-*.tar	Now	<ul style="list-style-type: none"> <li>• Patch Kits are at <a href="http://www.service.digital.com">www.service.digital.com</a>.</li> <li>For proper operation on DIGITAL UNIX 4.0B, Patch Kit 6 <b>MUST</b> be installed as well as TCR1.4A kit.</li> <li>• Use keyword <b>HSZ70</b> to search for 4.0B and TCR1.4A patch kits. Look for exact file names listed (*.tar). *<b>.tar</b> refers to the manufacturing date of the patch kit; use the latest date available.</li> </ul>
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 <b>must upgrade</b> to 4.0D Patch Kit 1 (DUV40DAS00001-19980312.tar).		
4.0D	Native Support	19-Jan-98	
TCR 1.5	Native Support	19-Jan-98	
<b>OpenVMS</b>	<b>Firmware A11</b>		
6.2-1H3	OpenVMS TIMA Kit ALPSCSI05_62 for OpenVMS V6.2	9-Feb-98	<ul style="list-style-type: none"> <li>• Tima Kits are at <a href="http://www.service.digital.com">www.service.digital.com</a>.</li> <li>For proper operation on OpenVMS 6.2-1H3 listed TIMA Kit <b>MUST</b> be installed.</li> <li>• Use keyword <b>HSZ70</b> to search for OpenVMS TIMA Kit.</li> <li>• Customers must upgrade to 7.1-1H1.</li> <li>• Customers must upgrade to 7.1-1H1.</li> </ul>
7.0	Support not planned		
7.1	Support not planned		
7.1-1H1	Native Support	30-Oct-97	
<b>Windows NT</b>	<b>Firmware A11/Driver 1.41</b>		
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"> <li>1. Service Pack 3 required for standalone RA and direct attached configurations.</li> <li>2. Microsoft Cluster Server software is supported under Windows NT 4.0 with RA7000/ ESA10000 configurations.</li> <li>3. DIGITAL Clusters software is supported under Windows NT 4.0 with RA7000/ ESA10000 configurations.</li> </ol>

**RA7000 & ESA10000 with KZPBA-CB Host Adapter (as of 30-November-1998)**

	<b>Patch Kit Name/Number</b>	<b>Availability</b>	<b>Notes</b>
<b>Digital UNIX</b>	<b>Firmware 5.53/5.57</b>		
3.2G	DIGITAL UNIX Patch Kit 3 DUV32GAS00003-*.tar *.tar refers to the manufacturing date of the patch kit; use the latest date available	Now	Patch Kits are at <a href="http://www.service.digital.com">www.service.digital.com</a> . For proper operation on DIGITAL UNIX 3.2G, Patch Kit 3 <b>MUST</b> be installed Use keyword <b>KZPBA</b> to search for 3.2G patch kits. Look for exact file names listed (*.tar).
ASE 1.3	ASE 1.3	Not Supported	KZPBA-CB does not support TruCluster Available Server Environment(ASE) 1.3.
TCR 1.0	TCR 1.0	Not Supported	KZPBA-CB does <b>not</b> support TruCluster Production Server(TCR) 1.0.
4.0B	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 <b>must upgrade</b> to 4.0D Patch Kit 1 (DUV40DAS00001-19980312.tar).	Now	Patch Kits are at <a href="http://www.service.digital.com">www.service.digital.com</a> . For proper operation on DIGITAL UNIX 4.0B, Patch Kit 6 <b>MUST</b> be installed . Use keyword <b>HSZ70</b> to search for 4.0B patch kit. Look for exact file names listed (*.tar).
TCR 1.4A	TCR 1.4A	Not Supported	KZPBA-CB does not support TruCluster 1.4A.
4.0D	Native Support for direct attached  DIGITAL UNIX 4.0D Patch Kit 1 DUV40DAS00001-19980312.tar	19-Jan-98	DUNIX 4.0D only supports standalone RAID Array configurations with Patch Kit 1.
TCR 1.5	TCR 1.5  DIGITAL UNIX Patch Kit 3 DUV40DAS00003-*.tar *.tar refers to the manufacturing date of the patch kit; use the latest date available	19-Nov-98	TruCluster 1.5 support requires Patch Kit 3 and the Alpha Systems Firmware Update CD 5.3 which contains KZPBA-CB firmware 5.57. Patch Kits are at <a href="http://www.service.digital.com">www.service.digital.com</a> (select <b>Software Patches</b> ). Console CD 5.3 is found at FTP site: <a href="http://ftp.digital.com/pub/Digital/Alpha/firmware/">http://ftp.digital.com/pub/Digital/Alpha/firmware/</a>
<b>OpenVMS</b>	<b>Firmware 5.53</b>		
6.2-1H3	OpenVMS V6.1-1H3 TIMA Kit for direct attached and standalone RAID Array ALPSCSI06_62	31-Jul-98	Tima Kits are at <a href="http://www.service.digital.com">www.service.digital.com</a> . KZPBA-CB will not be supported in Multi-host shared bus operations 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 for direct attached  OpenVMS V7.1-1H1 and V7.1-1H2 TIMA Kit for SCSI clusters ALPSCSI04_71	Now  27-Apr-98	Tima Kits are at <a href="http://www.service.digital.com">www.service.digital.com</a> . For proper Multi-host operation on OpenVMS 7.1-1H1 and 7.1-1H2 specified TIMA Kit <b>MUST</b> be installed. Use keyword <b>HSZ70</b> to search for OpenVMS TIMA Kit.
<b>Windows NT</b>	<b>Firmware 4.49 / Driver 2.28</b>		
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.

