



Intel® SKA4/SPKA4/SRKA4 Tested Hardware/OS List

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Rev 1.4

Revision History

Date	Revision Number	Modifications
10/16/00	1.0	Initial Release
11/6/00	1.0	Added ECO addendum & configurations
03/27/01	1.1	Added RH Linux Operating Systems tested in Sustaining Engineering
08/16/01	1.2	Quarterly update Removed End of Life adapters QLA 12160, Agilent 5121A
10/22/01	1.3	Added, Adaptec 2100S, Mylex AR 170, 352, AMI –493, Replace RH Linux 6.2 with RH Linux 7.1, added several new drives, Removed Adaptec AAA133U2B, Q-Logic QLA12160, Intel SCRU21 Raid
01/22/02	1.4	Replaced ICP 7529RN with ICP Vortex 4523RZ, Added Intel SRCU32, 3COM 985 SX Gigabit Nic adapter, Removed EOL hard drives, adapters, updated service packs on OS's

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1. Introduction

Intel's Platform Validation Lab (PVL) validates that server platforms function in real-world environments by designing, conducting, and reporting the results of compatibility and stress testing procedures.

The following test configuration was used for the SKA4 server board under test:

- Baseboard: SKA4 server board PBA# 751519-701
- Hot swap backplane (HSBP) Card PBA# 732396-502
- 900MHz Intel® Pentium® III Xeon™ processor with 2M Cache
- System BIOS Build 52.4
- Hot Swap Controller (HSC) Firmware Version 13
- Baseboard Management Controller (BMC) Firmware Version 1.18
- FRU/SDR Version 4.3.7

Onboard components were used throughout testing unless otherwise stated.

2. Pass/ Fail Criteria

For each operating system and hardware configuration, a test passes if specific criteria are met. Specific configurations may have had particular characteristics that were addressed on a case-by-case basis. In general, a configuration passes testing if:

- The operating system installed without error.
 - Manufacturer's installation instructions or PVL Best Known Methods (BKM) were used.
 - No extraordinary workarounds were required.
- The system behaved as expected during and after installation.
- Applications installed subsequently executed normally.
- Hardware compatibility tests run to completion without error.
- Test suites execute successfully.
 - Test/Data files are created in the correct directories without error.
 - Files copied from client to server and back compare to the original with 0 errors reported.
 - Clients remain connected.
 - Industry standard test suites run to completion with zero errors reported.

3. Operating System Compatibility

Below is a list of operating systems, versions, and service packs used in testing the SKA4, SRKA4 server systems.

Item	SKA4
Operating Systems	
Windows* 2000 Advanced Server SP2	Pass
Windows* NT v 4.0 SP6a	Pass
Novell Netware* 5.1 sp2a	Pass
UnixWare* 7.1.1	Pass
Red Hat Linux 7.1	Pass
Legacy Operating Systems	
Not tested for this regression	

4. Hardware Tested

The following table contains a complete list of all hardware peripherals that were configured in the SPKA4, SRKA4 Server for this adapter regression run.

	Windows 2000 Advanced Server Sp2	Windows NT 4.0 sp/6a	NetWare 5.1 Sp2a	UnixWare 7.1.1	Red Hat Linux 7.1
PCI SCSI/RAID					
Adaptec AHA 3950U2B	X	X	X	X	X
Adaptec AHA 39160	X	X	X	X	X
Adaptec 2100 S - Raid	X	X	X	X	X
Adaptec 3410 S - Raid	X	X	X	X	X
AMI Mega-Raid 471	X	X	X	X	
Mylex extreme-Raid 1164 (or 1100)					
Adaptec ANA-2940U2W					
LSI SYM22910				X	
AMI 493 – Elite 1600 Raid					
AMI Mega-Raid 466					
Intel SRCU31 - Raid	X	X	X		X
Intel SRCU32 - Raid	X	X	X	X	X
Mylex Accele-Raid 250	X	X			
Mylex Accele-Raid 170	X	X	X	X	X
Mylex Accele-Raid 352	X	X	X		
PCI Fiber Channel Host Adapters					
Q logic QLA2100/66 (64/66)	X	X	X	X	X
Emulex LP 8000	X	X	X		X
ICP Vortex 4523RZ					
PCI Network Interface Cards					
3COM 3C980 TX	X	X	X	X	X
3COM 985 SX Gigabit Ethernet	X	X	X	X	X
Intel Pro/100+ Dual Port Server (PILA8472)	X	X	X	X	X
Intel Pro/100+ Server Adapter (PILA8470B)	X	X	X	X	X
Intel Pro1000 Gigabit Server Adapter (PWLA8490) (KODIAK)	X	X	X		X
Intel Pro/100 Intelligent Server (PILA8474)	X	X	X	X	X
Intel Pro1000 T Gigabit Server Adapter PWLA 8490T (GOOD HOPE)	X			X	X
Modems					
3COM Sportster 56K Internal					
Accele Port 8em-PCI RJ45 Internal (NetWare)					
US Robotics Courier V everything					
PCI Video Adapters					
Matrox Millennium G200					

	Windows 2000 Advanced Server Sp2	Windows NT 4.0 sp/6a	Netware 5.1 Sp2a	UnixWare 7.1.1	Red Hat Linux 7.1
PCI Audio Cards					
Creative Labs Sound Blaster PCI 64					
USB Devices					
Create and Share Camera					
Mouse/Keyboard					
CDROM/DVD					
NEC 1910 32X SCSI					
Plexstor 40X Ultra SCSI					
Sony CDU 511 IDE 16X					
Toshiba 6201B SCSI 32X					
Sony CDU4811					X
Hitachi 8335 IDE 32X	X	X	X	X	X
Pioneer SCSI DVD 20X SCSI 150ms access					
Matrox DVD decoder					
Teac 224E slim CD	X	X		X	
DLT Tape Drives					
Quantum DLT 7000 35gb External SCSI SE					
Tape Drives					
HP Surestor Dat 8i	X			X	X
HP Surestor 6000 C1528F			X		X
Removable Drives					
3M Ls120 120mb					
Mitsubishi MF355F			X		X
Iomega Jazz					
Hard Drives					
Seagate Cheetah 18, 10K RPM, Fibre, 18.2GB					
Seagate Cheetah 18XL 18 GB	X		X	X	
Seagate Barracuda, 7200 RPM, Fibre, 9.1GB	X		X	X	
Seagate Barracuda 9LP, 7200 RPM, SCA-2,	X		X		
Seagate Cheetah 9LP, 10K RPM, SCA-2, 9 GB	X		X		
Western Digital Enterprise, 7200 RPM, SCA-2, 9.1GB					
Quantum Viking, 7200 RPM, 4GB	X				
Quantum Atlas IV KN09J011 R 01-G 9 GB			X		X
Quantum Atlas V VXC09J011 R 02C 9GB				X	X
Quantum Atlas V XC18J011 18GB					X
Seagate ST39102 FC 9Gb Fibre	X	X	X	X	X
Seagate ST39236LC 9 GB	X	X	X	X	X
Seagate Barracuda 18XL 18 GB					X
Fujitsu, 5400 RPM, IDE, 2.6GB					
Quantum Fireball ST, 5400 RPM, IDE, 2.1GB					

