



# Intel<sup>®</sup> SKA4/SPKA4/SRKA4 Tested Hardware/OS List

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Rev 1.0

## *Revision History*

<b>Date</b>	<b>Revision Number</b>	<b>Modifications</b>
10/16/00	1.0	Initial Release

## *Disclaimers*

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# 1. Introduction

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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# 751519-502
- Hot swap backplane (HSBP) Card PBA# 732396-502
- 700MHz Intel® Pentium® III Xeon™ processor with 2M Cache
- System BIOS Build 23
- Hot Swap Controller (HSC) Firmware Version 8
- Baseboard Management Controller (BMC) Firmware Version 17
- FRU/SDR Version 4.1.9

Onboard components were used throughout testing unless otherwise stated.

# 2. Pass/ Fail Criteria

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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

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

Item	SKA4
<b>Operating Systems</b>	
Windows* 2000 Advanced Server	Pass
Novell Netware* 5.1	Pass
UnixWare* 7.1.1	Pass
Sun Solaris 7	Pass
Red Hat Linux* 6.1	Pass
<b>Legacy Operating Systems</b>	
MS WinNT Server 4.0 (Enterprise Ed.) SP6	Pass
Novell Netware 4.2 (SP6)	Pass
Sun Solaris 2.6	Pass
SCO UnixWare 2.1.3	Pass
RedHat Linux 5.2	Pass
SCO OpenServer 5.0.5	Pass
<b>Baseline Install Only</b>	
Netware 4.11J	Pass
MS-Windows 98	Pass
MS-NT 4.0 WorkStation (SP6a)	Pass
MS-NT 4.0 Enterprise Server (SP6a)	Pass

## 4. Hardware Tested

The following table contains a complete list of all hardware peripherals that were configured in the SKA4 Server for these regression compatibility and stress runs.

	Windows 2000 Advanced Server	NetWare 5.1	UnixWare 7.1.1	Solaris 7	RedHat Linux 6.1
<b>PCI SCSI/RAID</b>					
Adaptec AHA 3950U2B	X	X	X	X	X
Adaptec AHA 3960D	X	X	X	X	X
Intel SCRU21	X (NT4)	X	X		
Qlogic Qla12160A			X		
AMI MegaRAID 438	X	X	X		X
Mylex eXtremeRAID 1164 (or 1100)	X	X	X		X
Adaptec ANA-2940U2W	X	X	X		
LSI SYM22910		X		X	
Adaptec AAA133U2B		X	X		
Adaptec 3940AUWD	X	X	X		
AMI MegaRaid 466	X	X		X	
DPT PM1554U2	X	X	X		X
DPT PM 3754U2	X	X	X		X
Mylex AcceleRaid 250	X	X			X
Intel SRCU31	X (NT4)	X	X		
<b>PCI Fiber Channel Host Adapters</b>					
Agilent HBBA-5121A (64/66)			X	X	
Qlogic QLA2100/66 (64/66)	X	X	X		
Emulex LP 8000		X		X	
ICP GDT7529RN	X				
Qlogic QLA 2000	X	X			
<b>PCI Network Interface Cards</b>					
3COMN 3C980	X	X	X	X	
Intel Pro/100+ Dual Port Server (PILA8472)	X	X		X	X
Intel Pro/100+ Server Adapter (PILA8470B)	X	X	X		
Intel Pro1000 Gigabit Server Adapter (PWLA8490)	X	X	X		X
Intel Pro/100 Intelligent Server (PILA8480)	X	X			
3COM 3C905B-TX	X	X	X		
3COM 3C985B-SX	X	X		X	X
<b>Modems</b>					
3COM Sportster 56K Internal	X	X	X		
AccelePort 8em-PCI RJ45 Internal (NetWare)		X			
US Robotics Courier V everything	X				
Hayes 56K External	X				
<b>PCI Video Adapters</b>					
Matrox Millenium G200	X	X			X

	Windows 2000 Advanced Server	Netware 5.1	UnixWare 7.1.1	Solaris 7	Red Hat 6.1
<b>PCI Audio Cards</b>					
Creative Labs Sound Blaster PCI 64	X				
<b>USB Devices</b>					
Create and Share Camera	X				
Mouse/Keyboard	X				
<b>CDROM/DVD</b>					
NEC 1910 32X SCSI	X	X	X	X	X
Plexstor 40X Ultra SCSI	X	X	X	X	X
Sony CDU 511 IDE 16X	X	X	X	X	X
Toshiba 6201B SCSI 32X	X	X	X	X	X
Hitachi 8335 IDE 32X	X	X	X	X	X
Pioneer SCSI DVD 20X SCSI 150ms access	X				
Matrox DVD decoder	X				
<b>DLT Tape Drives</b>					
Quantum DLT 7000 35gb External SCSI SE	X	X			
<b>Tape Drives</b>					
HP Surestor Dat 12i (sub)8i	X	X			X
<b>Removable Drives</b>					
3M Ls120 120mb	X	X			
Iomega Jazz	X				
<b>Hard Drives</b>					
Seagate Cheetah 18, 10K RPM, Fibre, 18.2GB	X	X	X	X	
Seagate Barracuda, 7200 RPM, Fibre, 9.1GB	X	X	X	X	
IBM UltraStar 9LP, 7200 RPM, SCA-2, 4.5GB	X	X		X	
Seagate Barracuda 9LP, 7200 RPM, SCA-2, 4.5GB	X		X		X
Seagate Cheetah 9LP, 10K RPM, SCA-2, 4.5GB	X	X	X	X	X
Western Digital Enterprise, 7200 RPM, SCA-2, 9.1GB	X	X	X		
Quantum Viking, 7200 RPM, 4GB	X		X		X
Seagate Medalist Pro, 7200 RPM, 68 pin, 9.1GB	X	X	X		X
Seagate Medalist Pro, 7200 RPM, 68 pin, 4.5GB	X		X	X	
Western Digital Enterprise, 7200 RPM, 68 pin, 2.1GB	X	X	X	X	X
Fujitsu, 5400 RPM, IDE, 2.6GB	X	X	X	X	X
Quantum Fireball ST, 5400 RPM, IDE, 2.1GB	X		X		X