Intel® SRPL8 MP Server Supported Hardware/Operating Systems

int_el ®

Revision History

Date	Revision Number	Modifications
11/2001	1.0	Initial release.
8/2002	1.1	Updated supported hardware tables.
9/2002	1.2	Updated supported hardware tables.

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1. Supported Hardware/Operating System Testing

1.1 Overview

The selection of products in the following tables coincide with industry trends for the period of time the system was undergoing testing. As the market segment shifts, changes in testing procedure may occur including the addition of new equipment, updated versions of operating systems, or alterations in the configuration of product and operating system. This list, therefore, is subject to change in order to accommodate any updates and to clearly define testing.

To identify any potential problems, all Intel® platforms undergo rigorous testing using a selection of operating systems and adapter cards. These peripherals and operating systems have been chosen according to their high level of acceptance within the industry and their ability to stress the system. The test suites performed on the system have been designed to validate data paths, chipset functionality, system functionality, device drivers, and operating system functionality and include tests developed by OS vendors, third-party developers, and Intel hardware and software engineering teams.

The SRPL8 Supported Hardware/Operating System list reflects the peripherals and operating systems that were evaluated through Intel internal testing of the SRPL8 MP Server product. This list has been compiled from the test suites of the Enterprise Server Group's Platform Validation Lab (PVL). The following key specifics define the hardware/operating system combinations evaluated and the level of evaluation. A blank box indicates that the Hardware/Operating System combination has not been evaluated in testing.

Level 1 Testing

This represents a high level of testing, involving many hours of continuous running with varying loads of stress placed on the server. Testing at this level involves an in-depth series of test suites, focusing on board set validation. The focus in Level 1 testing is on the validation of onboard features and baseboard functionality with add-in equipment.

The systems are prepared with the complex configuration during this testing. The goal of this test is to stress the system at the highest level. All the PCI and ISA slots are filled with the SCSI/NIC adapters, and six hard drives are used to run over ten different test suites. Multiple clients (minimum of thirteen) are connected to each NIC in the server and a minimum of 39 clients are connected to the whole system. Tests are run between 36 and 100 hours with varying loads placed on the server system using different test suites and performing different activities.

The peripherals utilized in Level 1 testing are noted in the following tables with the number "1", signifying that combination of hardware/operating system was tested under stress and operated with no failures during in-house testing.

Level 2 Testing

Testing at this level is less intensive than at Level 1. The tests are shorter in duration, and focus is put on utilizing a wide variety of add-in cards and hardware, and verifying their functionality in the system. To encompass this quantity of hardware, testing time is limited. The duration of each Level 2 test is typically 8 hours. The peripherals utilized in Level 2 testing are noted in the following tables with the number "2", signifying that the combination of hardware/operating system was tested and found to be functional.

In addition to testing Levels 1 and 2, a selection of products was tested on a basic level, noted in the following tables with the letter "T". This basic testing level includes installation of add-in cards and drivers under the indicated operating systems to ensure that the system can boot successfully using that specific configuration. Basic level testing does not incorporate any stress testing and is used only to determine compatibility. These items were not included in the validation summary for the product.

Note: A configuration that is said to pass during Intel's testing procedures does not guarantee the test is repeatable. Many factors may affect the outcome of the test that are beyond our control. The smallest differences in the configuration including, but not limited to the hardware (hard drives, clients, etc.), software, firmware, operating system, installation, and test procedures, may affect the outcome of the test.

1.2 Supported Hardware/Operating System Configurations

1.2.1 Hard Disk Controllers

	Windows 2000	Windows NT* Server v4.0 Enterprise Edition	Windows NT* v4.0J	Red Hat* Linux v7.0	Red Hat* Linux v7.1	Novell NetWare* v4.2	Novell NetWare* v5.0	Novell NetWare* v5.0J	Novell NetWare* v5.1	SCO OpenServer* v5.0.5	SCO UnixWare* 2.1.3	SCO UnixWare* 7.1	SCO UnixWare* 7.1.1 R2	Sun Solaris* v7.0	Sun Solaris* v8.0
Adaptec* AHA*-3940AUW	x	x					x					x			
Adaptec AHA-2940U2W	x	x		x			x		x			x	x		
Adaptec AHA-3950U2B	x	x		x			x		x			x	x		x
Adaptec ASC-39160	x	x			x				x			x			
Adaptec ASR-3410S	x	x			x				x			x			
Agilent Tachyon TS HHBA-5121A	x	x					x					x			
AMI MegaRAID* Ultra GT Series 434				x		x	x					x			x
AMI MegaRAID Ultra 2 LVD Series 438				x		x	x					x			x
AMI MegaRAID Express Plus* Series 466	x	x			x		x		x			x	x		
AMI MegaRAID 471	x	x			x				x			x			
ICP Vortex GDT4523RZ	x	x			x				x				x		
Intel SRCU32													x		
Mylex* DAC960PG*															
Mylex DAC960PJ*	x	x						x				x			
Mylex eXtremeRAID* DAC1164P*	x	x			x			x	x			x	x		
QLogic* QLA12160A	x	x		x	x	x	x		x			x	x		x
Symbios SYM22910	x	x					x					x			x

1.2.2 Fiber Channel Host Bus Adapters

	Windows 2000	Windows NT* Server v4.0 Enterprise Edition	Windows NT* v4.0J	Red Hat* Linux v7.0	Red Hat* Linux v7.1	Novell NetWare* v4.2	Novell NetWare* v5.0	Novell NetWare* v5.0J	Novell NetWare* v5.1	SCO OpenServer* v5.0.5	SCO OpenServer* v5.0.6	SCO UnixWare* 2.1.3	SCO UnixWare* 7.1	SCO UnixWare* 7.1.1 R2	Sun Solaris* v7.0	Sun Solaris* v8.0
Emulex* Lightpulse LP9402DC	x	x			x											
Emulex* Lightpulse LP9402L	x	x			x											x
Emulex LP8000	x	x			x			x						x		
JNI* Fibrestar FCE2-6560	x	x														
QLogic QLA2100/33	x			x		x										
QLogic QLA2100/66	x	x			x		x					x	x	x		
QLogic QLA2310	x	x		x	x	x	x		x					x		x
QLogic QLA2312	x															

1.2.3 Floppy Drives

	Windows 2000	Windows NT* Server v4.0 Enterprise Edition	Windows NT* v4.0J	Red Hat* Linux v7.0	Novell NetWare* v4.2	Novell NetWare* v5.0	Novell NetWare* v5.0J	Novell NetWare* v5.1	SCO OpenServer* v5.0.5	SCO UnixWare* 2.1.3	SCO UnixWare* 7.1	Sun Solaris* v7.0	Sun Solaris* v8.0
Mitsubishi MF355F	x	x		x							x		x

1.2.4 Video Cards

	Windows 2000	Windows NT* Server v4.0 Enterprise Edition	Windows NT* v4.0J	Red Hat* Linux v7.0	Novell NetWare* v4.2	Novell NetWare* v5.0	Novell NetWare* v5.0J	Novell NetWare* v5.1	SCO OpenServer* v5.0.5	SCO UnixWare* 2.1.3	SCO UnixWare* 7.1	Sun Solaris* v7.0	Sun Solaris* v8.0
ATI 3D Rage XL	x	x		x		x		x			x		x

1.2.5 Hard Drives

	Windows 2000	Windows NT* Server v4.0 Enterprise Edition	Windows NT* v4.0J	Red Hat* Linux v7.0	Red Hat* Linux v7.1	Novell NetWare* v4.2	Novell NetWare* v5.0	Novell NetWare* v5.0J	Novell NetWare* v5.1	SCO OpenServer* v5.0.5	SCO UnixWare* 2.1.3	SCO UnixWare* 7.1	SCO UnixWare* 7.1.1 R2	Sun Solaris* v7.0	Sun Solaris* v8.0
Quantum Atlas II									x						
Quantum Atlas IV	x			x	x										
Quantum Atlas V	x								x			x			
Samsung SP0914D													x		
Seagate Barracuda* 9 ST19171FC	x	x			x				x			x			
Seagate Barracuda* 9LP ST34573LC	x	x		x		x						x			x
Seagate Barracuda* 18XL ST39236LC					x		x								
Seagate Cheetah* 18XL ST39204LC					x							x	x		
Seagate Cheetah 9LP ST34502LC	x	x							x						
Seagate Cheetah 9LP ST39102FC	x	x			x							x			
Seagate Cheetah 9LP ST39102LC	x	x													
Seagate Cheetah 18LP ST39103FC	x	x													
Seagate Cheetah 18LP ST39103LC	x	x			x				x			x			
Seagate Cheetah 36LP ST318436LC	x	x													

1.2.6 Network Interface Cards

	Windows 2000	Windows NT* Server v4.0 Enterprise Edition	Windows NT* v4.0J	Red Hat* Linux v7.0	Red Hat* Linux v7.1	Novell NetWare* v4.2	Novell NetWare* v5.0	Novell NetWare* v5.0J	Novell NetWare* v5.1	SCO OpenServer* v5.0.5	SCO UnixWare* 2.1.3	SCO UnixWare* 7.1	SCO UnixWare* 7.1.1 R2	Sun Solaris* v7.0	Sun Solaris* v8.0
3Com 10/100/1000 PCI-X Server 3C996-T	x	x			x				x						x
3Com Fast EtherLink XL Parallel Tasking 10/100 3C905B-TX	x	x		x		x	x		x			x			x
3Com Gigabit Ethernet 3C985-SX						x									
3Com 3C980C-TXM	x	x		x					x				x		
Adaptec DuraLAN* ANA*-62011/TX	x	x		x	x		x		x			x		x	x
Olicom Token-Ring PCI/II 16/4 Adapter OC-3137		x				x	x		x						
Intel® EtherExpress™ PRO/100+ Server Adapter	x	x		x	x		x		x			x	x	x	x
Intel EtherExpress PRO/100+ Dual Port Server Adapter	x	x		x	x		x		x			x	x	x	x
Intel EtherExpress PRO/1000 Gigabit Server Adapter	x	x		x	x		x		x			x	x	x	x
Intel EtherExpress PRO/1000 T Server Adapter	x	x		x					x			x	x		
Intel EtherExpress PRO/100 Intelligent Server Adapter	x	x		x			x		x			x		x	x
Intel EtherExpress PRO/1000 XT Server Adapter	x				x				x					x	x
IBM PCI Auto						x			x						

1.2.7 CD-ROM Drives

	Windows 2000	Windows NT* Server v4.0 Enterprise Edition	Windows NT* v4.0J	Red Hat* Linux v7.0	Red Hat* Linux v7.1	Novell NetWare* v4.2	Novell NetWare* v5.0	Novell NetWare* v5.0J	Novell NetWare* v5.1	SCO OpenServer* v5.0.5	SCO UnixWare* 2.1.3	SCO UnixWare* 7.1	Sun Solaris* v7.0	Sun Solaris* v8.0
Hitachi CDR-8335						x	x		x					
Hitachi CDR-8330	x	x			x				x					
Teac CD-532E	x	x		x		x	x		x			x		x

1.2.8 Printers

	Windows 2000	Windows NT* Server v4.0 Enterprise Edition	Windows NT* v4.0J	Red Hat* Linux v7.0	Novell NetWare* v4.2	Novell NetWare* v5.0	Novell NetWare* v5.0J	Novell NetWare* v5.1	SCO OpenServer* v5.0.5	SCO UnixWare* 2.1.3	SCO UnixWare* 7.1	Sun Solaris* v7.0	Sun Solaris* v8.0
Hewlett Packard LaserJet 5				x									
Hewlett Packard LaserJet 6MP		x											

1.2.9 Keyboards

	Windows 2000	Windows NT* Server v4.0 Enterprise Edition	Windows NT* v4.0J	Red Hat* Linux v7.0	Novell NetWare* v4.2	Novell NetWare* v5.0	Novell NetWare* v5.0J	Novell NetWare* v5.1	SCO OpenServer* v5.0.5	SCO UnixWare* 2.1.3	SCO UnixWare* 7.1	Sun Solaris* v7.0	Sun Solaris* v8.0
Key Tronic EO3601 PS/2					x	x		x					
NMB RT-101+				x									
NMB RT-2285TW	x	x											
NMB RT-6656T+				x									

1.2.10 Mice

	Windows 2000	Windows NT* Server v4.0 Enterprise Edition	Windows NT* v4.0J	Red Hat* Linux v7.0	Novell NetWare* v4.2	Novell NetWare* v5.0	Novell NetWare* v5.0J	Novell NetWare* v5.1	SCO OpenServer* v5.0.5	SCO UnixWare* 2.1.3	SCO UnixWare* 7.1	Sun Solaris* v7.0	Sun Solaris* v8.0
Logitech First Mouse M-S35				x							x		
Logitech PS/2					x	x							
Logitech M-S35													
Microsoft PS/2	x	x											

1.2.11 Monitors

	Windows 2000	Windows NT* Server v4.0 Enterprise Edition	Windows NT* v4.0J	Red Hat* Linux v6.1	Novell NetWare* v4.2	Novell NetWare* v5.0	Novell NetWare* v5.0J	Novell NetWare* v5.1	SCO OpenServer* v5.0.5	SCO UnixWare* 2.1.3	SCO UnixWare* 7.1	Sun Solaris* v7.0	Sun Solaris* v8.0
Mag* Innovision* DX1795		x	x										
NEC Multisync XV15+		x	x										
Sony Trinitron* MS15SF		x	x										
ViewSonic* 17EA												x	x
ViewSonic* 17GS												x	x
ViewSonic* 17PS		x	x										