



Intel® Server RAID Controller U2-1 (SRCU21) Supported Hardware/Operating Systems



Revision 1.6

December, 2000

Enterprise Platforms Group

Revision History

Date	Revision	Modifications
2/2000	1.0	Initial Release
2/2000	1.1	Updated Supported Operating Systems list
6/2000	1.2	Updated to include supported items for Talo 3.19 Software Kit update. Updated Operating Systems, Server Boards and Intel Chassis Disk Drive Enclosures
6/2000	1.3	Updated tested terminology
6/2000	1.4	Updated section 2.5 to add Red Hat Linux 6.2 support
9/2000	1.5	Updated section 2.4 to add SBT2 server board and section 2.5 to add Windows 2000 Advanced Server
12/2000	1.6	Updated section 2.5 to include STL2 server board

Disclaimers

Information in this document is provided in connection with Intel® products. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel products are not intended for use in medical, life saving, or life sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice.

Designers must not rely on the absence or characteristics of any features or instructions marked "reserved" or "undefined." Intel reserves these for future definition and shall have no responsibility whatsoever for conflicts or incompatibilities arising from future changes to them.

This document contains information on products in the design phase of development. Do not finalize a design with this information. Revised information will be published when the product is available. Verify with your local sales office that you have the latest datasheet before finalizing a design.

The RAID controller may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.

Copyright © Intel Corporation 2000. *Other brands and names are the property of their respective owners.

Table of Contents

1. Introduction	1
2. Supported Hardware/Operating System Configurations	2
2.1 Disk Drive Enclosures or Chassis.....	2
2.2 Intel® Chassis Disk Drive Enclosures.....	2
2.3 SCSI Disk Drives	2
2.4 Intel® Server Boards	3
2.5 Operating Systems.....	3
2.6 Compatible PCI Adapters.....	3

< This page intentionally left blank. >

1. Introduction

The following document describes hardware components and operating systems that have been tested with the Intel® Server RAID Controller U2-1 (SRCU21).

2. Supported Hardware/Operating System Configurations

2.1 Disk Drive Enclosures or Chassis

Manufacturer	Model	Number of Disks	Interface	SAF-TE?
Andataco*	ESP GigaRAID/8000	8	Ultra 2 LVD	No
Andataco	ESP GigaRAID/8000	15	Ultra 2 LVD	No
Nstor*	NexStor 8Le	8	Ultra 2 LVD	Disabled
Dell*	PowerVault 201S	8	Ultra 2 LVD	Yes (Adaptec AIC-3860Q)
Kingston*	DE300i-RSWC	3	Ultra 2 SE	No
Kingston*	DE100i-RSWC	1	Ultra 2 SE	No
Kingston*	DE100i-RSLC	1	Ultra 2 LVD	No

2.2 Intel® Chassis Disk Drive Enclosures

Model	Number of Disks	Interface	SAF-TE Support
Astor	5	Ultra Wide	Yes
Astor II	5	Ultra2	Yes
Cabrillo C	6	Ultra2	Yes
SR2000	4	Ultra160	Yes
SR4000 (chassis for SRKA4)	5 (1" drives) or 3 (1.6" drives)	Ultra160	Yes
SC5000	5	Ultra160	Yes
SC7000 (chassis for SPKA4)	5 (1" drives) or 6 (1.6" drives)	Ultra160	Yes

2.3 SCSI Disk Drives

Manufacturer	Model	Size (GB)	Speed (RPM)	Interface	Qty. per channel tested
Seagate*	ST39173LW	9.1	7200	Ultra 2 LVD	15
Seagate	ST136403LW	36.4	10000	Ultra 2 LVD	15
Seagate	ST150176LC	50.1	7200	Ultra 2 LVD	1
Western Digital*	WDE18300-0048	18.3	7200	Ultra 2 LVD	2
Quantum*	KN09J11	9.1	7200	Ultra 2 LVD	5
Quantum	TN09J881	9.1	10000	Ultra 2 LVD	15
Quantum*	QM336400KN-LW	36.4	7200	Ultra 2 LVD	2
IBM*	IDGHS09U2	9	7200	Ultra 2 LVD	2
IBM	IDMVS36U2	36.4	10000	Ultra 2 LVD	2

2.4 Intel® Server Boards

Product Name
N440BX
NL440BX/T440BX
L440GX+
C440GX+
SKA4 (SPKA4/SRKA4)
SBT2
STL2

2.5 Operating Systems

Manufacturer	Operating System	Version
Microsoft*	Windows NT Server	4.0 with Service Pack 6a
Microsoft*	Windows NT Server Enterprise Edition	4.0 with Service Pack 6a
Microsoft*	Windows 2000 Advanced Server	2000 with Service Pack 1
Novell*	NetWare	4.2 with Support Pack 8
Novell*	NetWare	5.0 with Support Pack 4
Red Had*	Linux	6.2
SCO*	UnixWare	7.1.0

2.6 Compatible PCI Adapters

Manufacturer	Model	Type
SCSI Hard Disk Controllers		
Adaptec*	AHA-2940U	Ultra SCSI PCI Storage Adapter
Adaptec	AHA-2940U2W	Ultra 2 SCSI PCI Storage Adapter
Adaptec	AHA-3940UW	Ultra Wide SCSI PCI Storage Adapter
Adaptec	AHA-F940	Fibre Channel PCI Storage Adapter
AMI*	MegaRAID 466	SCSI RAID PCI Storage Adapter
ATTO*	ExpressPCI Fibre	Fibre Channel PCI Storage Adapter
Intel®	SRCU31	Intel® Server RAID Controller U3-1
Intel®	U2-2	Intel Server RAID Controller U2-2 Reference Design Board
Mylex*	AcceleRAID 250	SCSI RAID PCI Storage Adapter
Mylex	DAC960PDU	SCSI RAID PCI Storage Adapter
Qlogic*	QLA 1040-PI	Ultra Wide SCSI PCI Storage Adapter
Qlogic	QLA 2100	Fibre Channel PCI Storage Adapter
LSI Logic*	SYM8951u	Ultra Wide SCSI PCI Storage Adapter
LSI Logic	SYM8751SP	Ultra Wide SCSI PCI Storage Adapter
LSI Logic	SYM22910	Ultra2 SCSI PCI Storage Adapter
Network Interface Controllers		
3Com*	3C900	Ethernet Adapter

Intel® Server RAID Controller U2-1 (SRCU21) Supported Hardware/Operating Systems

Manufacturer	Model	Type
3Com	3C359	Token Ring Adapter
3Com	3C980	Fast Ethernet Adapter
3Com	3C985-SX	Gigabit Ethernet Adapter
3Com	3C805	FDDI Adapter
Allied Telesyn*	AT-2450T	Ethernet Adapter
Compaq*	Netelligent	FDDI Adapter
D-Link*	DFE-530TX	Fast Ethernet Adapter
IBM*	PCI TR	Token Ring Adapter
Intel®	EtherExpress™ Pro/10+	Ethernet Adapter
Intel	EtherExpress Pro/100+	Fast Ethernet Adapter
Intel	EtherExpress Pro/100B	Fast Ethernet Adapter
Intel	EtherExpress Pro/1000	Gigabit Ethernet Adapter
Olicom*	OC 6162	ATM Adapter
Olicom	OC 3137	Token Ring Adapter
Packet Engines*	Gig-NIC II	Gigabit Ethernet Adapter
SMC*	EtherPower II 9432	Fast Ethernet Adapter
SysKonnect*	SK 5844	FDDI Adapter