



Intel® Carrier and Industrial Grade Server TSRLT2 and TSRMT2

Tested Hardware and Operating System List



Revision 2.0

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Enterprise Platforms and Services Division

Revision History

Date	Revision Number	Modifications
3/5/01	0.1	Preliminary release.
3/22/01	0.2	Updated adapter list
6/12/01	0.3	Incorporated TSRMT2
6/25/01	0.9	Updated OS and peripherals list
9/18/01	0.9.5	Updated OS and peripherals list
10/11/01	0.9.6	Updated OS and peripherals list
10/29/01	0.9.7	Added Windows 2000 Advanced server support
11/16/01	1.0	Added South Bend II NIC, promoted to revision 1.0 for release
1/8/02	1.1	Added version information to TEAC CD-Rom drive
2/20/02	1.2	Updated document purpose section
2/26/02	1.3	Updated document title
8/06/02	1.4	Updated OS and peripherals list, Added Misc. Adapters, Added CD-R/RW Drive
9/03/02	1.5	Remove error message from Section 3.2, Update Section 3.7
12/12/02	1.6	Updated adapter list. Changes highlighted.
02/01/03	1.7	Revised sections 3.1, 3.2, and 3.3. Correcting errors in version 1.6 section 3.3 which incorrectly included hot swappable drives
06/03/03	1.8	Updated Section 3.3 with Fujitsu MAP7353NP Hard Disk Drives and added section 3.2 for DVD-R/RW Drive Toshiba SD-R6112
7/2/03	1.9	Updated the hard drive information.
8/21/03	2.0	Updated CDROM, CD-R/W, and DVD-R/W Sections

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The TSRLT2/TSRMT2 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.

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1. Introduction

1.1 Purpose of this Document

This document defines a list of adapters, peripherals, and operating systems that have been tested by Intel's validation labs on the Intel® Carrier/Industrial Grade Server, TSRLT2/TSRMT2 systems. System memory is not included in this document. System memory that is to be tested by Intel® for the Carrier/Industrial Grade Server, TSRLT2/TSRMT2 systems will be listed in a separate Tested Memory List document.

The hardware listed in this document is not an all-inclusive list of devices that are compatible for use on the Carrier/Industrial Grade Server, TSRLT2/TSRMT2 system. It provides a list of devices that Intel feels is representative of the types of devices that will be used in various platform applications targeted for this server board.

Users looking to integrate the Intel® Carrier/Industrial Grade Server, TSRLT2/TSRMT2 system into their server environments should perform their own validation to verify their server configurations meet their requirements.

2. Adapter List

2.1 Fiber Channel Cards

Vendor	Model	Model Name	Interface	Keying	Form Factor
Emulex*	LP8000-D1	LP8000	PCI-64/33	Universal	PCI-Short
Emulex*	LP9002LP-F2	LP9002	PCI-64/66	Universal	PCI-Short
Qlogic*	QLA2200L	QLA2200L	PCI-64/66	Universal	LP-PCI
QLogic*	QLA2310	QLA2310	PCI-X66	Universal	PCI-Short
Adaptec*	9210LP	AFC9210LP	PCI-64/66	Universal	LP-PCI

2.2 Network Interface Controllers (NICs)

Vendor	Model	Model Name	Interface	Keying	Form Factor
3COM*	3C985B-SX	Gigabit Ether Link Server*	PCI-64/66	Universal	PCI-Short
3COM*	3C905C-TX-M	Ether Link 10/100 PCI	PCI 32/33	Universal	PCI-Short
3COM*	3C980C-TXM	Ether Link Server 10/100 PCI Managed	PCI-32/33	Universal	PCI-Short
Intel*	PILA8470D3GB1L20	Pro 100+ S Server (South Bend II)	PCI-32/33	Universal	LP-PCI
Intel*	PILA8470D3GB1P20	Pro 100+ S Server (South Bend II)	PCI-32/33	Universal	PCI-Short
Intel*	PILA8470B	Pro 100+ (Wisconsin)	PCI-32/33	Universal	PCI-Short
Intel*	PLWA8490SX	Pro/1000F (Kodiak II)	PCI-64/66	Universal	PCI-Short
Intel*	PLWA8490T	Pro/1000T (Good Hope)	PCI-64/66	Universal	PCI-Short

2.3 RAID Controllers

Vendor	Model	Model Name	Interface	Keying	Form Factor
AMI*	4932010232A	Elite 1600* (493)	PCI-64/66	Universal	PCI-Short
ICP-Vortex*	GBDT4523RZ	GBDT4523RZ	PCI-32/66	Universal	PCI-LP/RP
Intel*	SRCU31	Bonita	PCI-32/33	Universal	PCI-LP/RP
Intel*	SRCU31L	Goodwin	PCI-32/33	Universal	LPPCI
Intel*	SRCMR	Intel® RAID Controller SRCMR	PCI-64/66	Universal	LPPCI ¹
Mylex*	A352-2	AcceleRAID 352*	PCI-64/33	Universal	PCI-Long
Mylex*	A170LP-1-16NB	AcceleRAID 170* Low Profile	PCI-32/33	Universal	LPPCI

¹ This adapter is only supported in the 3.3v riser.

2.4 SCSI Controllers

Vendor	Model	Model Name	Interface	Keying	Form Factor
Adaptec*	ASC-29160LP	ASC-29160LP	PCI-64/66	Universal	PCI-LP/RP
Adaptec*	ASC-39160	ASC-39160	PCI-64/66	Universal	PCI-Short
LSI Logic*	LSI20160L	LSI20160L	PCI-32/33	Universal	PCI-LP/RP
LSI Logic*	LSI22902	LSI22902	PCI-64/66	Universal	PCI-LP/RP
LSI Logic*	LSI22903	LSI22903	PCI-64/66	Universal	PCI-LP/RP

2.5 Miscellaneous Adapters and Connectors

Vendor	Model	Model Name	Interface	Description
Newark Electronics*	83-8267		PS/2	"Y" connector provides keyboard and mouse connections from single PS/2 connector
MCM*	83-8267		PS/2	"Y" connector provides keyboard and mouse connections from single PS/2 connector

3. Peripherals

3.1 CD-ROM/DVD Drives

Vendor	Model	Model Name	Interface	Form Factor	Device
Teac*	CD-224E-083	CD-224E	ATA	5.25x.0.5 Slim	CD-ROM
Teac*	CD-224EC-83	CD-224EC-83	ATA	5.25x.0.5 Slim	CD-ROM
Toshiba*	SD-C2612	SD-C2612	ATA33	5.25x0.5 Slim	DVDROM
Mitsumi*	SR2441W1	SR2441	ATA33	5.25x.0.5 Slim	CD-ROM

3.2 DVD-R/RW Drives

Vendor	Model	Model Name	Interface	Form Factor	Device
Toshiba*	SD-R6112	SD-R6112	ATA	5.25x.0.5	DVD-R/W

3.3 CD-R/RW Drives

Vendor	Model	Model Name	Interface	Form Factor	Device
Panasonic*	UJDA340KME-Z	UJDA340	ATA	5.25x.0.5	CD-R/W
Teac*	CD-W224EA	CD-W224EA	ATA	5.25x0.5	CD-R/W

3.4 CDR-R/W/DVD-ROM Combo Drives

Vendor	Model	Model Name	Interface	Form Factor	Device
Teac*	DW-224EA-83	DW-224EA-83	ATA	5.25x0.5	CD-R/W/DVD

3.5 Hard Drives

Vendor	Model	Drive Family	Interface	Form Factor	Capacity / RPM
Fujitsu*	MAN3184MP	MAN	SCSI-U160	3.5x1	18 GB 10K
Fujitsu	MAN3367MP	MAN	SCSI-U160	3.5x1	36 GB 10K
Fujitsu	MAN3735MP	MAN	SCSI-U160	3.5x1	36 GB 10K
Fujitsu	MAP3367NP	MAP	SCSI-U320	3.5x1	36 GB 10K
Fujitsu	MAP3735NP	MAP	SCSI-U320	3.5x1	73 GB 10K
Fujitsu	MAP3147NP	MAP	SCSI-U320	3.5x1	147 GB 10K
Hitachi*	DK32DJ-18MW	DK32DJ	SCSI-U160	3.5x1	18 GB 10K
Hitachi*	DK32DJ-36MW	DK32DJ	SCSI-U160	3.5x1	36 GB 10K
Maxtor*	KU73L017	Atlas 10K III	SCSI-U320	3.5x1	73 GB 10K
Maxtor	8B036J0	Atlas 10K IV	SCSI-U320	3.5x1	36 GB 10K

Maxtor	8B074J0	Atlas 10K IV	SCSI-U320	3.5x1	73 GB 10K
Maxtor	8B046J0	Atlas 10K IV	SCSI-U320	3.5x1	147 GB 10K
SEAGATE*	ST318452LW	Cheetah* X15 – 36LP	SCSI-U160	3.5x1	18 GB 15K
SEAGATE	ST336752LW	Cheetah* X15 – 36LP	SCSI-U160	3.5x1	36 GB 15K
SEAGATE	ST373405LW	Cheetah 73LP	SCSI-U160	3.5x1	73 GB 10K
SEAGATE	ST318453LW	Cheetah* 15K.3	SCSI-U320	3.5x1	18 GB 15K
SEAGATE	ST336753LW	Cheetah* 15K.3	SCSI-U320	3.5x1	36 GB 15K
SEAGATE	ST373453LW	Cheetah* 15K.3	SCSI-U320	3.5x1	73 GB 15K
SEAGATE	ST336607LW	Cheetah 10K.6	SCSI-U320	3.5x1	36 GB 10K
SEAGATE	ST336732LW	Cheetah* X15 – 36LP	SCSI-U320	3.5x1	36.7GB 15K
SEAGBATE*	ST373307LW	Cheetah* 10K.6	SCSI-U320	3.5x1	73.3GB 10K
SEAGBATE*	ST3146807LW	Cheetah* 10K.6	SCSI-U320	3.5x1	146GB 10K

3.6 Input Devices

Vendor	Model	Model Name	Interface	Form Factor	Description
Keytronic	PRO Pilot	PRO Pilot	PS/2	external	Keyboard
Logitech*	520652-m	iTouch	PS/2 and USB	external	keyboard
Microsoft Natural Elite PS/2					Keyboard
NMB* PS/2					Mouse
LOGBITECH		MiniWheel Mouse	PS/2 and USB	n/a	External
Logitech M-S35					Mouse
Microsoft*	225143	Intelimouse	PS/2 and USB	external	mouse

3.7 Removable Media Devices

Vendor	Model	Model Name	Interface	Form Factor	Description
Mitsumi*	D353F3	D353F3	FLOPPY	3.5x0.5,Slim	3 1/2" floppy disk
Teac*	FD-05HF-5640	FD-05HF	FLOPPY	3.5x0.5,Slim	3 1/2" floppy disk
Teac*	FD-235HF	FD-235HF	FLOPPY	n/a	3.5x1
Teac*	FDO5PUB	FDO5PUB	USB	n/a	External
Teac*	CD543/Kit/USB		USB	n/a	USB CD-RW
IOMEGBA	ZIP-USB	ZIP 250MB USB	USB	n/a	external

3.8 Modems

Vendor	Model	Model Name	Interface	Keying	From Factor	Description
3Com*	3293	Office Connect 56Ke	N/A	N/A	External 56K modem	Office Connect 56K External Business
3Com*	3CP5610A	56K Performance Pro	PCI-32/33	universal	PCI-Short	MODEM

3.9 Telephony²

Vendor	Model	Model Name	Interface	Keying	Form Factor	Description
Dialogic	DM/V480A-2T1	DM/V-A Multifunction Series	PCI-32/33	Universal	PCI, Compact PCI (cPCI)	Two T-1/ISDN Pri Network interface, 48 ports of Voice Processing (with continuing speech processing), and 60 conferencing ports.
Dialogic	DM/V960A-4T1	DM/V-A Multifunction Series	PCI-32/33	Universal	PCI, cPCI	Four T-1/ISDN Pri Network interface, 120 ports of Voice Processing (with continuing speech processing), and 120 conferencing ports.
Dialogic	DM/V600A-2E1	DM/V-A Multifunction Series	PCI-32/33	Universal	PCI, cPCI	Two E-1/ISDN Pri Network interface, 60 ports of Voice Processing (with continuing speech processing), and 60 conferencing ports.
Dialogic	DM/V1200E-4E1	DM/V-A Multifunction Series	PCI-32/33	Universal	PCI, cPCI	Four E-1/ISDN Pri Network interface, 120 ports of Voice Processing (with continuing speech processing), and 120 conferencing ports.

4. OperatinGB Systems

Intel® will test the following operating systems for use on the Carrier/Industrial Grade Server, TSRLT2/TSRMT2 systems:

Note: Some of the operatinGB systems may need to be tested after the TSRLT2/TSRMT2 development cycle if the final release of the operatinGB system is not available at the time scheduled for testinGB.

Item	TSRLT2	TSRMT2
Priority O/S		
Red Hat Linux 7.2	X	X
Red Hat Advanced Server 2.1	X	X
Windows 2000 Advanced Server ²	X	X

Table O/S List

² The adapters from Section 3.7 Telephony have been tested with Windows 2000 Professional, Windows 2000 Server, Red Hat 7.1, and Red Hat 7.2. This does not imply that these adapters are functionally incompatible with Windows 2000 Advanced Server only that Intel has not validated functionality.