Intel ® A450NX Board Set and AD450NX Server System

Hardware/Operating Systems Test Cross-Reference List

Revision 1.4

Revision 1/11/98

Enterprise Server Group

Revision History		
Date	**Rev**	**Modifications**
7/7/98	1.0	Initial release
7/29/98	1.1	Minor Updates
9/9/98	1.2	Added Keyboard and Mice information
9/29/98	1.3	Prepared for External Release
1/11/98	1.4	Corrections made to tables

Table of Contents

<This page intentionally left blank>

<This page intentionally left blank>

1. Tested Hardware and Operating Systems

1.1 Introduction

The AD450NX Hardware/Operating Systems Test Cross-Reference List reflects the peripherals and operating systems that were evaluated through Intel internal testing of the AD450NX Server System product. This list has been compiled from the test plans/reports of the Enterprise Server Group's Validation Teams

The selection of products in these tables coincides with industry trends for the period of time the system was undergoing testing. As the market 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.

1.2 Test Strategy

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, chip set 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.

A blank box indicates that the hardware/operating system combination has not been evaluated in testing.

When a "C" is indicated, this means that the product is compatible. A classification of "V" indicates the product has been thoroughly validated, which involves more comprehensive testing than with a compatible rating.

The Operating Systems (OS) are given certain priority (1,2,3). Definitions of each priority are as follows:

Priority 1 – The OS was selected for in-depth validation as driven by server industry acceptance. These OS are required to be functional for the System release.

Priority 2 – The OS are tested but not as in depth as Priority 1.

Priority 3 – The OS are done on minimal level of testing.

The lower case means this was added since last revision and will be changed to uppercase the next update.

2. Matrix Table

To reflect the most current status, the Matrix chart table below will be updated periodically.

	MS Windows 95	MS Windows 98	MS-DOS v6.22	MS Windows NT v 4.0	Novell NetWare v3.12	NetWare v4.11	OS/2 Warp v4.0	Sunsoft Solaris v2.6	SCO OpenServer v5.0.4	UnixWare v2.1.3	SCO Unixware v7.0
RED (Dark gray) Priority 1 · Green (medium gray) Priority 2 · Yellow (light gray) Priority 3 · NOTE: C = Compatible, V = Validated · The lower case means this was added or changed since last revision.											
CD-ROM / Floppy Drives											
Sony CDU76S 8X(SCSI)	C		v	v		c				v	v
Toshiba CR508B 16X(IDE)	C		v	v		c				v	v
Hitachi CDR8330 24X(IDE)	C	C	v	v	C	c	C	C	C	v	v
Hitachi CDR8335 24X(IDE)	C		v	V	C	V					V
TEAC 8000 (floppy)	C		v	v		v				v	v
Mitsubishi MF355F3450MGC(floppy)	C	C	v	V	C	V	C	C	C	v	V
Controllers (Unless otherwise stated, all are PCI Type)											
AMI MegaRAID 434(SCSI/Raid)				V		V					V
AMI MegaRAID 428(SCSI/Raid)				C							
Adaptec 7880 (On-board, SCSI/Non-Raid)	c		c	V	c	V	c			c	V
Adaptec 1540CP (ISA/SCSI)				C		C					
Adaptec AHA-1520B(ISA/SCSI)				C		C					
Adaptec AHA-3940AUW (SCSI/Non-Raid)	c		c	V	C	V	c	c	c	c	V
Adaptec AHA-3944UWD (SCSI)				V		V					V
Adaptec AHA-2940UW (SCSI/Non-Raid)				C					c	c	C
Adaptec AHAF940 (PCI/Fibre Channel)				V		V					V
Adaptec AHAF950 (PCI/Fibre Channel)				V		V					V
Adaptec 2944UW (SCSI/Non-Raid)				C							
DPT PM3334uW (SCSI/Raid)				C							
Symbios 22801(Dual Channel, SCSI/Non-Raid)				V		V					V
Symbios 22910 (SCSI/Non-Raid)				C							
Mylex DAC960PG (SCSI/Raid)				V		V					V
Mylex DAC960PU (SCSI/Raid)				C		C					
Qlogic QLA1041 (SCSI/Non-Raid)				C							
Qlogic QLA1240 (SCSI/Non-Raid)				C							
Qlogic 1080 (SCSI/Non-Raid)				C							
Qlogic QLA2100 (PCI/Fibre Channel)				V		V					V
Interphase 5526 I CHIP+TPI (PCI/Fibre Channel)				C							
Emulex LP6000 (PCI/Fibre Channel)				C							
Adaptec AHA950 (PCI/Fibre Channel)				C							
HP HHBA-5000A (PCI/Fibre Channel)				C							

Note: AMI MegaRAID 434 the SCSI Raid Controller and the IBM DGVS 39110 (9GB, 10K RPM, SCSI Hard Drive) were incompatible in the versions tested.

RED (Dark gray) Priority 1
Green (medium gray) Priority 2
Yellow (light gray) Priority 3

NOTE: C = Compatible, V = Validated

The lower case means this was added or changed since last revision.

	MS Windows 95	MS Windows 98	MS-DOS v6.22	MS Windows NT v 4.0	Novell NetWare v3.12	NetWare v4.11	OS/2 Warp v4.0	Sunsoft Solaris v2.6	SCO OpenServer v5.0.4	UnixWare v2.1.3	SCO Unixware v7.0
Network Interface Cards (Unless otherwise stated, all are PCI types)											
Adaptec ANA 6944A				C		C					
Adaptec 6944/64				C							
3Com 3C509B (ISA)				C	C	C	C				C
3Com 3C905				V		V					V
Olicom Token-Ring				C	C	C	C				C
Intel EtherExpress PRO/10+ (ISA)				C	C	C					
Intel EtherExpress PRO+				V		V					V
Intel EtherExpress PRO 100B	C			V	C	V	c	C	C	c	V
Intel (1Gb)				C							
Intel EtherExpress PRO/100 Server				C		C					C
IBM Token-Ring Auto LAN Streamer				C	C	C	C				
IBM 25H3501 (ISA)						C					
Matrox Shark 10/100				C							
SMC SMC9332BDT				V		V					V
Hard Drives											
IBM DGHS 39110 (9 GB, 7200 RPM, SCSI)			c	V		V				c	V
IBM DSHS 318220 (18 GB, 7200 RPM, SCSI			c	V		V				c	V
IBM DGVS 39110 (9 GB, 10K RPM, SCSI)			c	Vc		Vc				c	Vc
IBM DTTA 371010 (10 GB,7200 RPM, IDE UDMA33)			vc	cVc		cVc				vc	CVc
Fujitsu MAB3091SC (9GB, 7200RPM, SCSI))			cv	Vcv		Vcv				cv	VcC
Fujitsu MAA31182SC (18GB, 7200 RPM, SCSI)			cc	Vcc		Vcc				cc	VVc
Fujitsu MPA3043AT (4.3GB, 5400 RPM, IDE UDMA33)			vc	VVc		VVc				vc	cVV
Seagate ST34573LC (4 GB, 7200 RPM, SCSI)			vv	VV		VV				vv	VcV
Seagate ST39173LC (9 GB, 7200 RPM, SCSI)			vv	VV		VV				vv	VV
Seagate ST39173LW (9 GB, 7200 RPM, SCSI)			vv	VV		VV				vv	VV
Seagate ST39102LC (9 GB, 10K RPM, SCSI)			vvv	V		VV				vvv	VVV
Seagate ST118273LC (18 GB, 7200 RPM, SCSI)			vvv	VV		VV				vvv	VVV
Seagate ST118202LC (18 GB, 10K RPM, SCSI)			vvv	VV		VV				vvv	VVV
Seagate Medalist ST38641A (8.6 GB, 5400 RPM, IDE UDMA33)			vvv	VCv		ccv				vvv	cVc
Quantum QM309100PX-SCA (9 GB, 7200 RPM, SCSI)			vvv	VC		VvV				vvv	VcV
Quantum QM309100TD-SCA (9 GB, 7200 RPM, SCSI)			vvv	VV		VV				v	VVV
Quantum QM34550PX-SCA (4.5 GB, 5400 RPM, SCSI)			vvv	VV		VV				vv	VVV
Quantum Fireball ST16A011 (1.6GB, 5400 RPM, IDE UDMA33)			vvv	cVc		cVc				vvv	cVc
Western Digital WDE4360 (4 GB, 7200 RPM, SCSI)			vvv	VcV		VcV				vvv	VcV
Western Digital WDE9100-AV1217 (9 GB, 7200 RPM, SCSI)			vvv	VV		VV				vvv	VVV
Western Digital WDE9100-1224 (9GB, 7200 RPM, SCSI)			v	V		V				v	V
Sound Cards											
Creative labs Sound Blaster 64/Ensonic 64 (PCI) (added since last revision)	CC			CC							
Vibra 16C (PCI) (added since last revision)	CCC			CCC							

AD450NX Hardware/Operating Systems Test Cross-Reference List

Note: IDE UDMA 33 drives are not supported by systems using PXB B0 silicon.

	MS Windows 95	MS Windows 98	MS-DOS v6.22	MS Windows NT v 4.0	Novell NetWare v3.12	NetWare v4.11	OS/2 Warp v4.0	Sunsoft Solaris v2.6	SCO OpenServer v5.0.4	UnixWare v2.1.3	SCO Unixware v7.0
RED (Dark gray) Priority 1 / Green (medium gray) Priority 2 / Yellow (light gray) Priority 3 / NOTE: C = Compatible, V = Validated, PV = Planned to be Validated / The lower case means this was added or changed since last revision.											
Video Cards (PCI)											
Cirrus 5446 (on-board)	V	C	C	V	C	V	C	C	C	C	V
Diamond Stealth 3D 2000XL	C			C							
Intergraph Reactor or Intense 3D				C							
ATI Xpert @ play	C			C							
Number9 Revolution3D	C			C							
Matrox Millennium II	C			C							
Diamond FireGL 3000 8x32	C			C							
Intergraph Intense 3D*Pro 1000	C			C							
ATI 3D Pro Turbo PC2TV	C			C							
Matrox Mystique 220	C			C							
Dynamic Pictures Oxygen 402				C							
ATI 3D Xpression+	C			C							
External Drive Chassis											
Clariion DAE, FC5000 (Fibre Channel)	c			V		C				C	C
Clariion RAID DTE FC5500 Fibre Channel) (H.P. Openview)				V							
Seagate ST19171FC Fibre Channel				V							
LSI Logic RAID SYM1000 SYM2000 (Fibre Channel, Diff SCSI) (H.P. Openview)				C							
Boxhill Systems Fibre Box (Fibre Channel)				C							
MAXstrat Corp Noble (Fibre Channel)				C							
Gadzoox FCL1063TW (Fibre Channel Hub)				C							
Sigma/Trimm (Differential SCSI)				C		C				C	C
Server Management cards											
Intel Server Monitor Module (PCI)				V		V					PV
Voltage Regulator Module (VRM)*											
VXI 073-20742-30 (Currently Qualified)	c	c	c	V	c	V	c	c	c	c	V

* Intel is currently working with the vendor to define specifications of VRM's that will satitisfy future Pentium ® II Xeon™ Processor speeds and cache sizes.
    Currently the part numbers listed above will only suport up to a 450MHz (any size cache) Pentium ® II Xeon™ Processor.