



Intel AP450GX/AR450GX MP Server System

Hardware/Operating Systems Test Cross-Reference List

Revision -003

January, 1998

The AP450GX system may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Characterized errata that may cause the AP450GX system's behavior to deviate from published specifications are documented in the AP450GX MP Server System Specification Update and the AP450GX MP Server Board Set Specification Update.

Revision History		
Date	Rev	Modifications
3/97	-001	Initial release
9/97	-002	Added TBT hardware
1/98	-003	Updated list with new hardware and operating systems (Highlighted)

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The AP450GX baseboard may contain design defects or errors known as errata that may cause the product to deviate from published specifications. Characterized errata that may cause the AP450GX baseboard's behavior to deviate from published specifications are documented in the AP450GX Specification Update.

Tested Hardware and Operating Systems

1. Introduction

Testing was performed on the AP450GX MP Server with the C0 stepping of the 450GX PCIsset. Most of the devices tested also apply to AR450GX MP Server.

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.

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.

3. Key Specifics

The AP450GX Hardware/Operating Systems Test Cross-Reference List reflects the peripherals and operating systems that were evaluated through Intel internal testing of the AP450GX server product. This list has been compiled from the test reports of the Enterprise Server Group's Platform Validation Lab (PVL). 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.

NOTE: C = Compatible, V = Validated, * = Issue, Highlighted are new since last revision of this document.	Artisoft LANtastic 6.0	Banyan VINES V6.0	IBM LAN Server 4.0 Adv.	MS-DOS v6.22	MS Windows v3.11	MS Windows 95	MS Windows NT v3.51	MS Windows NT v4.0	Novell NetWare v3.12	NetWare 4.11 (v)	Novell NetWare SFT-III	OS/2 v2.11 SMP	OS/2 v3.0 Warp	OS/2 v4.0 Warp	SCO OpenServer v5.0	Solaris v2.5	UnixWare v2.1
CD-ROM Drives																	
Hitachi 24X IDE				C		C		C	C	C				C	C	C	C
MicroSolutions Backpack 8X (ext, EPP)						C*											
MicroSolutions Backpack 4X (ext,EPP)						C											
NEC CDR 271 (int,IDE)						C											
NEC PCDR-501 (SCSI)		V						V		V		V					V
NEC CDR 502 (int, SCSI)						C											
NEC CDR 601 (int, SCSI)						C											
Panasonic CR-563B (int, proprietary)						C											
Pioneer DRM-604X (ext, SCSI)				C	C												
Plextor PX-6CH (int, SCSI)						C											
Plextor PX-8CH (int, SCSI)						C											
Plextor PX-43CH (int,SCSI)						C											
Plextor DM 3028 (SCSI)		V						V		V		V					V
Sony CDU55E						C											
Sony CDU76E						C											
Sony CDU76S (int, SCSI)						C											
Sony CDU76SB (SCSI)		V				V		V		V		V					V
Sony CSD76SB (int,SCSI II)						C											
TEAC CD-56E (int, IDE)					C	C											
Toshiba XM-3401 (int, SCSI)		V					V	V		V		V					V
Toshiba XM-3501B (int, SCSI)						C	C										
Toshiba XM-3701 (int, SCSI)						C	C										
Toshiba XM-5302B (int, IDE)						C	C										
Controllers																	
Onboard Adaptec AIC-7880 (PCI/SCSI)	C	C	C,V	C	C	C	C	C,V	C	C,V*	C	C,V	C	C	C	C	C,V
Adaptec 1542CF (ISA/SCSI)						C											
Adaptec 2740A (EISA/SCSI)								V*									
Adaptec 2740T (EISA/SCSI)						C											
Adaptec 2742T (EISA/SCSI)						C											
Adaptec 2930 (PCI/SCSI)						C											
Adaptec 2940 (PCI/SCSI)		C		C		C											
Adaptec 2940UW (PCI/SCSI ultra wide)			V			C		V		V*		V				C	V
AMI MegaRAID 428								V		V							V
BusLogic BT-747C (EISA/SCSI)						C											
BusLogic BT-948 (PCI/SCSI)						C											
BusLogic BT-958 (PCI/SCSI)						C											
DPT 2022 (EISA/SCSI)						C											
DPT 2122 (EISA/SCSI)						C											
Inito INI 9100 (PCI/SCSI)						C											
Mylex DAC960PL-2A RAID (PCI/SCSI)	C	C	C,V			C	C	V	C	C,V*	C	C,V	C	C	C	C	C,V
Mylex DAC960PD-U								V		V			V				V
Mylex DAC960-3 (EISA/SCSI)			V*									V*	V				V
Qlogic FastSCSI IQ (PCI/SCSI)						C											
Symbios 8251S (PCI/SCSI)			V					V		V		V					V
Western Digital 7197 (PCI/SCSI)						C											
FAX/Modems, Modems																	
Hayes Optima 288						C											
Penril 2332-01															C	C	C
Procomm Plus						C											
SupraFAXModem 288e						C											
SupraFAXModem 288i PnP						C											
U.S. Robotics Sportster Si					C	C									C	C	C
U.S. Robotics Courier Everything v34						C											

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Floppy Drives																	
Epson SMP-1340						C											
Panasonic JU-256A106P						C											
Panasonic JU-257A216P (Only for AR450GX)				C		C		C	C	C				C			
TEAC FD-235J						C											
TEAC FD-505		C			C	C	C		C	C			C				
TEAC 8000						C		C						C	C		C
TEAC FD-55GFR							C										
TEAC FD-235HF (3.5-in. 1.44MB)	C	C	C	C	C	C	C	C	C	C	C	C	C		C	C	C
Hard Drives																	
Conner CFP 1060S (SCSI)				C								C					
Conner CFP 1060W (SCSI wide)				C	C												
Conner CFP 1080S (SCSI)									C	C		C			C	C	C
Conner CFP 1275A (Mode 4 EIDE)				C													
Conner CFP2107W SCSI										C							
Conner CFP 2107E (SCSI)			C,V	C	C	C		V		C,V		C,V	C	C	C	C	C,V
Digital DSP1370L (SCSI)				C													
Fujitsu M2694ESA SCSI					C												
Fujitsu M1606SAU (SCSI)					C	C											
Maxtor MXT1240S (SCSI)				C	C												
Maxtor MXT7345AT (IDE)				C		C											
Micropolis MC2217A (IDE)				C													
Micropolis MC4110 SCSI					C												
NEC CDR 260 IDE						C											
NEC CDR 271 IDE						C											
NEC CDR 502 SCSI						C											
NEC CDR 601 SCSI						C											
Plextor PX-6CH SCSI						C											
Plextor PX-43CH SCSI						C											
Quantum LPS 240S SCSI					C	C											
Quantum QUEM1080S SCSI					C												
Quantum Pro-Lightening			V					V		V		V					V
Quantum 4550W								V		V							V
Quantum 9100W								V		V							V
Seagate ST33390N SCSI		C			C		C										
Seagate ST5660N SCSI		C			C		C								C	C	C
Seagate ST11950N (SCSI)					C	C											
Seagate ST12450W (SCSI wide)					C	C											
Seagate ST19101WC (SCSI)								V		V							V
Seagate ST32171WC (SCSI)								V		V							V
Seagate ST34501WC (SCSI)								V		V							V
Seagate ST31220A (IDE)					C												
Seagate ST31230WC (SCSI fast wide)			V					V		V		V					V
Seagate ST31250WC (SCSI fast wide)	C	C	C,V		C		C	V	C	C,V	C	C,V	C	C	C	C	C,V
Seagate ST32550N SCSI					C												
Seagate ST32550W (SCSI wide)	C	C	C		C				C	C	C	C	C	C			
Seagate ST51080N (SCSI)			V					V		V		V					V
Western Digital AC1270 (IDE)		C		C	C												
Western Digital AC2540 IDE					C		C										
Western Digital AC31600H IDE					C												
Western Digital Caviar 2700 (IDE)			V					V		V		V					V
Western Digital AC21000H (EIDE)				C	C	C											

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Keyboards																	
BTC AT					C												
Cirque GlidePoint					C												
Hi-Tek PS/2					C												
KeyCat II					C												
Kinesis Ergo Model 120					C												
Microsoft Natural PS/2						C											
NMB RT-101	C	C	C	C				C	C	C	C	C		C			C
Mice																	
Cirque GlidePoint Desktop Trackpoint					C												
Cirque GlidePoint Keyboard					C												
Logitech Ergonomic					C												
Logitech PS/2 Standard Mouse					C												
Logitech Trackball					C												
Logitech Trackman Marble Trackball					C												
Logitech PS/2 Cordless Mouse					C												
Microsoft Ergo PS/2 Mouse					C												
Microsoft Home Serial					C												V

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Network Interface Cards																	
3Com 3C509B (EI)			C				C	C	C	C	C		C				
3Com 3C590 EtherLink III (PCI)							C	C	C	C	C						
3Com 3C579 Etherlink III (EISA)							C	C	C	C	C						
3Com 3C579TX			V					V		V*		V		V			V
3Com 3C595-TX PCI			V*				C	C,V	C	C,V	C	V*		V			V
3Com TokenLink III (PCI)									C	C	C						
3C597 (EISA LAN)							C	C	C	C	C				C		
3C905TX (PCI LAN)							C	C	C	C	C				C		
AHA-3940AUW (PCI SCSI)							C	C	C	C	C				C		
AHA-6944A-TX4 (PCI SCSI Raid)							C	C	C	C	C				C		
AMD PCNet PCI									C	C	C						
Artisoft Node Runner 2000 (ISA)	C																
Banyan ICA		C															
Cogent eMaster+ EM960 PCI									C	C	C						
Cogent eMaster+ EM964 PCI									C	C	C						
DEC EtherWorks									C	C	C						
D-Link DE-220PCT							C	C	C	C	C						
Emulex LP6502-T1 (PCI Fibre Channel Raid)								V									V
IBM 10/100 Ethernet (PCI)			C									C	C				
IBM Token Ring 16/4 ISA-16		C							C	C	C						
IBM Token Ring 16/4 II			C				C	C	C	C	C		C				
IBM Token Ring Auto 16/4 ISA			C				C	C	C	C	C		C				
IBM Token Ring Auto 16/4 II									C	C	C						
IBM Auto LANStreamer (PCI)			C				C	C	C	C	C		C				
Intel EtherExpress™ Pro 16		C	C				C	C	C	C	C		C				
Intel EtherExpress 32			V					V		V		V					V
Intel EtherExpress PRO 10A (PnP)			C				C	C	C	C	C		C				
Intel EtherExpress PRO 10 (PCI)			C				C	C	C	C	C		C				
Intel EtherExpress PRO 10FX (PnP)									C	C	C						
Intel EtherExpress PRO/100 (PCI)			C				C	C	C	C	C						
Intel EtherExpress PRO 100B (PCI)			C,V				C	C,V	C	C,V*	C	V	C				V
Intel EtherExpress PRO 100E (PCI)							C	C									
Intel EtherExpress PRO 100SA (PCI)							C	C	C	C	C						
Intel Server Management Module								V		V					V		
Intel TokenExpress™ PRO (ISA)							C	C	C	C	C						
Intel TokenExpress Pro/16s									C	C	C						
Intel TokenExpress 16/4s			C				C	C	C	C	C		C				
Intel EtherExpress Server Adapter								V		V							
Intel TokenExpress 32 (EISA)			C				C	C	C	C	C						
Interphase 5526 (PCI Fibre Channel Raid)								V									
Madge Smart 16/4 AT Ringnode							C	C	C	C	C						
Madge Smart 16/4 PCI Ringnode							C	C	C	C	C						
Novell Eagle NE2000plus							C	C	C	C	C						
Novell NW2000 WAN Card									C	C	C						

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	Olicom 16/4 PCI Token-Ring			C				C	C	C	C	C		C			
Proteon 1392plus			C						C	C	C						
Proteon 1990									C	C	C						
Racal InterLAN PCI T2							C*	C*	C	C	C						
SMC 9332DST			V					V*		V*		V					V
SMC 9332BDT (PCI LAN)							C	V	C	C	C	V		V	C		V
SMC Elite 32C Ultra (EISA)									C	C	C						
SMC EtherEZ (ISA)							C	C	C	C	C						
SMC EtherPower PCI									C	C	C						
SMC EtherPower 10 PCI									C	C	C						
SMC EtherPower 10/100 PCI							C	C	C	C	C						
SMC TokenCard Elite (ISA)							C	C	C	C	C						
SMC UltraElite Combo									C	C	C						
Thomas Conrad TC4045									C	C							
Thomas Conrad TC4145									C	C							
Thomas Conrad TC5048									C	C							
Thomas Conrad TC6242									C	C							
ZNYX ZX312 EtherAction (PCI)			C				C	C	C	C	C		C				

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Sound Cards																	
Gravis UltraSound						C											
Sound Blaster 16 Value						C											
Sound Blaster Pro II						C											
Tape Drives																	
Archive Python 2150S (SCSI,Tape)			V					V		V		V					V
Archive Python 4326S (SCSI,DAT)				C								V					
Archive Viper 2150S (SCSI, Tape)				C													
Conner TapeStor 4000 (Floppy, Tape)				C													
Exabyte 8200T (SCSI,Tape)				C													
HP C1553-00800			V					V		V		V		V			V
HP SureStore 1528F (SCSI,Tape)			V					V		V		V		V			V
IBM 94G2725 (SCSI,Tape)			V					V		V		V		V			V

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Video Adapters																	
Onboard Cirrus Logic CL5424	C	C	C,V	C	C	C	C	C,V	C	C,V	C	C,V	C		C	C	C,V
#9 9FX Motion531 2MB (PCI)						C											
#9 GXE 64 2MB (PCI)						C											
#9 GXE 64 Pro 2MB (PCI)						C											
#9 GXE 64 Trio 2MB (PCI)						C											
#9 Imagine 128 2MB (PCI)						C											
ATI Graphics Xpression 2MB (PCI)						C											
ATI Pro Turbo 4MB (ISA)						C											
ATI Pro Turbo 4MB (PCI)						C											
ATI UltraPro EISA 2MB						C											
ATI Win Boost 2MB (PCI)						C											
Diamond Stealth 64 4MB (PCI)						C											
Diamond Stealth 64 3400XL						C		C									
Diamond Viper Pro 2MB (PCI)						C											
Hercules Dynamite Power 2MB DRAM (PCI)						C											
Hercules Graphite Terminator 64 2MB DRAM (PCI)						C*											
Hercules Graphite Terminator 64 video w/MPEG 2MB DRAM (PCI)						C*											
Hercules Graphite Terminator Pro 4MB VRAM (PCI)						C											
Hercules MGA						C											
Hercules Stingray 64/video 2MB DRAM (PCI)						C											
Hercules Stingray Pro PCI 1MB DRAM						C											
Matrox Millennium 3D 4MB (PCI)						C											
Matrox Millennium II						C		C									
Number Nine Revolution 3D			C			C		C	C	C					C	C	C
Orchid Fahrenheit 64 2MB (PCI)						C											
Orchid Kelvin 64 2MB (PCI)						C											
STB PowerGraph 64 1MB (PCI)						C											
STB PowerGraph 64V 2MB (PCI)						C											
WD Paradise Bahamas 64 2MB (PCI)						C											
WD Paradise Barbados 64 2MB (PCI)						C											
WD Paradise Pipeline 2MB (PCI)						C											
Video Expansion Cards																	
Intel ProShare VC200 v1.6						C											
Intel ProShare VC200 v1.9a						C											
Smart Video Recorder						C											

Operating System Certifications

The following table shows the operating system certifications that have been received for the AP450GX MP Server System.

<i>Operating System</i>	<i>Date Certified</i>	<i># Processors @ Speed</i>
Novell NetWare 3.12, 4.10 SMP	July 96	4 @ 166MHz 1 @ 200MHz
Banyan Vines 6.0	Oct 96	1 @ 166MHz
SCO OpenServer 5.0, UnixWare 2.1	Oct 96	4 @ 166MHz 4 @ 200MHz
Solaris 2.5	Sept 96	4 @ 166MHz
	Oct 96	4 @ 200MHz
OS/2 LANServer	Sept 96	4 @ 166MHz 4 @ 200MHz
OS/2 Warp 4.0	Oct 96	1 @ 166MHz 4 @ 166MHz
	Jan 97	1 @ 200MHz
OS/2 Warp 3.0	Oct 96	1 @ 166MHz 4 @ 166MHz
	Jan 97	1 @ 200MHz
OS/2 2.11 SMP	Oct 96	4 @ 166MHz
	Apr 97	4 @ 200MHz