

FIC VL-601 PCI/AGP SYSTEM BOARD BOARD LEVEL COMPATIBILITY TEST REPORT

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1. Introduction

FIC's motherboards undergo a comprehensive suite of stringent software and hardware compatibility tests to ensure that they can not only run a complete range of operating systems and software packages, but that they can also be installed with a full selection of add-on cards and peripheral devices, such as AGP,VGA, SCSI, and network adapters as well as HDDs, FDDs, CD-ROM Drives and Fax/Modems. A board is deemed to have passed the compatibility testing suite when it has met the following criteria:

- All application software available for IBM compatible products works properly.
- All common internal and external hardware available to the IBM AT-Bus and PCI compatible systems functions properly.
- All hardware and software can be installed according to the instructions provided to the user.
- All legal configurations (IRQ , I/O addresses, DMA levels) function properly.
- All applications have been tested with and without drivers provided on the support disk.
- All operating systems have been installed and tested with each processor, with and without the most critical mode selected by setup.

2. Mainboard Features

Model Name : VL-601 PCB Rev 1.1A
Product Name : Intel 440LX Based Mainboard
System BIOS : AMI BIOS Version 627IJ111
PCI IDE : Internal PCI Maser dual IDE
I/O : Winbond 83977TF

3. Mainboard CPU Supports:

Intel Processors	Status
Pentium II 233MHz	Pass
Pentium II 266MHz	Pass
Pentium II 300MHz	Pass
Pentium II 333MHz (Deschute)	Pass
Pentium II 266MHz with ECC	Pass
Pentium II 300MHz with ECC	Pass

4 System Specification for Hardware and Software Utilities

The mainboard hardware portion was configured as follows :

Item	Description
IO Corelogic	Winbond 83977TF Supports Normal, EPP, ECP mode and IR Interface
PCI Bus Clock	Synchronous mode (depended on CPU Clock divide by 2)
PCI IDE	Intel PIIX4 internal Bus Master PCI IDE.
System Slots	1 AGP and 5 PCI and 2 ISA slots
System Cache	256K / 512K Pipeline Burst SRAM Built-in CPU card
System Core Logic	Intel 440LX
System Memory	168 pins single RAS and Double RAS DIMM RAM Module
	EDO / SDRAM
	Maximum : 384MB

5. Jumper Function Verification

Description	Jumper Name	Default Option	Status
BIOS Boot Block Select	EP1 / EP2	Open / Open	Pass
Chassis FAN Connector	FAN2	Open	Pass
Clear Password Switch	CPS	Open	Pass
CPU Clock Rate	FREQ1~4	1-2,3-4,6-8 Close	Pass
CPU FAN Connector	FAN1	Open	Pass
IDE LED Connector	IDE_LED	Open	Pass
Keyboard Lock and Power LED	KB_LOCK	Open	Pass
LAN Wake Up	RWU	Open	Pass
Remote Power Switch	RPW_SW	Open	Pass
Reset Switch	RST	Open	Pass
Speaker Connector	SPK	Open	Pass
Suspended LED	SP_LED	Open	Pass
Suspended Switch	SP_SW	Open	Pass
Turbo LED Connector	TB_LED	Open	Pass

6. Field (Stress) Test: Dynamic Burn-in Tests

Software Name	Duration	Result
BAPCO 95 for Windows NT	24 hr.	Pass
Test Configurations for NT	Intel Pentium II 333MHz VGA S3 ViRGE 3D On board 128MB Memory Adaptec AHA 2940UW Seagate Wide SCSI ST-32550W	
Novell Server version 4.11	48 hr.	Pass
Test Configurations for Novell	Intel Pentium II 300MHz Adaptec AHA 3940 Quantum SCSI MA540S 3COM 3C595 10/100 PCI Netware card (Connect to 4-6 workstation) On board 64MB Memory VGA S3 TRIO64V+ 1MB Test Program : Novell Nwtest	
SCO UNIX Open Desktop 5.0	24 hr.	Pass
Test Configurations for SCO	Intel Pentium II 300MHz SONY CDU-55S SCSI CD-ROM Quantum Fireball 2.1GB TM2110S SCSI Disk On board 128MB Memory VGA S3 TRIO 64 V+ 2MB Test Program : Create a batch file	

Software Name	Duration	Result
IBM OS/2 Warps 3.0	24 hr.	Pass
Test Configurations for OS/2	Intel Pentium II 300MHz Quantum Fireball 3.8GB TM3840A VGA S3 ViRGE 3D On board 64MB Memory Test program : Create Batch file	
Winstone 97 Under WIN95	48hr.	Pass
Test Configurations for Winstone 97	Intel Pentium II 333MHz Quantum Ultra DMA/33 ST-6480AT 6.4GB On board 64MB Memory. Matrox Mystique 4MB Test condition : Run continuous demo mode (Must skip dbase)	
SYSmark 32 for Windows 95	24hr.	Pass
Test Configurations for SYSmark 32 under Windows 95	Pentium II 300MHz IBM DHEA-36480 Ultra DMA/33 6.4GB IDE HDD On board 64MB Memory. Matrox Mystique 4MB Test condition : Run continuous demo mode (Must skip dbase)	

7. Base Operating Systems Certification Tests

Operating System	Company	HCT / SCT Name	Result
IBM OS/2 Version 3.0	IBM	OS/2	Pass
Test Configurations	Intel Pentium II 333MHz On board 64MB Memory. Matrox Mystique 4MB		
Windows NT Version 4.00	Microsoft	Window NT SCT 4.00	Pass
Test Configurations	Intel Pentium II 333MHz On board 128MB Memory. AGP VGA 3Dlabs 8MB		
Windows 95	Microsoft	Window 95 SCT 5.30	Pass
Test Configurations	Intel Pentium II 333MHz On board 384MB Memory. AGP VGA ATI Rang II 8MB		

8. Hardware Compatibility Test Suite

8.1 Memory

8.1.1 DIMM Module (EDO/SDRAM)

Type	Vendor	Parts No	Description	Result
EDO DIMM	LGS	GM71VS17803CLT6	16MB168pin RAM DIMM	Pass
	Mitsumi	M5M4V17405CTP	32MB168pin RAM DIMM	Pass
SDRAM	Fujitsu	81117822E-100FN	16MB168pin RAM DIMM	Pass
		81117822E-100FN	32MB168pin RAM DIMM	Pass
	Hitachi	HM5216165TT-10	8MB 168pin RAM DIMM	Pass
		HM5216805TT-10	16MB168pin RAM DIMM	Pass
		HM5216805TT-10	32MB168pin RAM DIMM	Pass
	Hyundai	HYM7V64200TFG-10	16MB168pin RAM DIMM	Pass
	IBM	0316169CT3B	8MB 168pin RAM DIMM	Pass
		0316169CT3B	16MB168pin RAM DIMM	Pass
	LGS	GMM2642233BL	16MB168pin RAM DIMM	Pass
	Mitsumi	MH2S64CZTJ-15	16MB168pin RAM DIMM	Pass
		MH4S64CZTJ-15	32MB168pin RAM DIMM	Pass
	MT	MTBLSDT264AG-66	16MB168pin RAM DIMM	Pass
	NEC	D4516161G5-7JF	8MB 168pin RAM DIMM	Pass
		D4516821G5-7JF	16MB168pin RAM DIMM	Pass
		D4516821G5-7JF	32MB168pin RAM DIMM	Pass
		MC-452AB644F-A12	16MB168pin RAM DIMM	Pass
	SEC	KM416S1120AT-10	16MB168pin RAM DIMM	Pass
		KM416S1120AT-12	8MB 168pin RAM DIMM	Pass
		KM48S2020AT-G12	32MB168pin RAM DIMM	Pass
		KMM366S203AT-G2	16MB168pin RAM DIMM	Pass
		KM48S8030AT-G10	64MB 168pin RAM DIMM	Pass
	TI	TMX626162DGE	8MB 168pin RAM DIMM	Pass
		TMX626162DGE	16MB168pin RAM DIMM	Pass
		TX2SR64EPU-12A	16MB168pin RAM DIMM	Pass
		TX4SR64EPU-12A	32MB168pin RAM DIMM	Pass
	Toshiba	THMY641031A-12	8MB 168pin RAM DIMM	Pass
		THMY641031A-12	16MB168pin RAM DIMM	Pass
		THMY641051A-12	8MB 168pin RAM DIMM	Pass
		THMY641051A-12	16MB168pin RAM DIMM	Pass
		THMY642051AEG-12	16MB168pin RAM DIMM	Pass
		THMY644041AEG-12	32MB168pin RAM DIMM	Pass

8.2 Add-on Cards

8.2.1 Display Adapter Products

8.2.1.1 PCI Display Adapter Products

Vendor	Model Name	Product Description	Bus I/F	Result
ATI	3D RAGE	3D RAGE	PCI	Pass
	3D RAGE II	3D RAGE II (PC2TV 4MB)	PCI	Pass
	Mach 64	Graphic Pro-Turbo 4MB	PCI	Pass
	Mach 64 DRAM	Mach 64 DRAM	PCI	Pass
	Mach 64 VT	Video Xpression 2MB PCI (3D)	PCI	Pass
	Mach64	Graphics Pro-Turbo 2MB VRAM	PCI	Pass
Canopus	Power Window T64V	S3 86C765 2M DRAM (Japan)	PCI	Pass
Diamond	Edge 3D 2120XL	EDGE 3D 2120XL 2MB DRAM	PCI	Pass
	Edge 3D 3240XL	EDGE 3D 3240XL 2MB VRAM	PCI	Pass
	Stealth 64	Stealth 64 PCI VGA Card (S3 964)	PCI	Pass
	Stealth 64 VRAM	Stealth 64 2/4 MB VRAM (S3 968)	PCI	Pass
	Viper SE	Viper SE Weitek P9100	PCI	Pass
ELSA	WINNER 2000AVI/3D	ELSA WIN. 2000 AVI/3D VIRGE VX EDOV-RAM PCI 4MB	PCI	Pass
ELSA	VICTORY 3D	ELSA VICTORY 3D-4 S3-VIRGE EDO-DRAM 135MHZ PCI 4MB	PCI	Pass
	WINNER 3000	ELSA WINNER 3000-L 3D VIRGE VX 4MB VRAM+2MBEDO PCI 4MB	PCI	Pass
FIC	1st GrafX-40MP	Cirrus 54M40 1/2 MB DRAM	PCI	Pass
	1st GrafX-46MP	Cirrus 5446 1/2 MB DRAM	PCI	Pass
	1st GrafX-64P	S3 764 1/2 MB DRAM	PCI	Pass
	1st GrafX-65MP	S3 765 1/2 MB DRAM	PCI	Pass
	1st GrafX-65MP2	S3 775 1/2 MB EDO DRAM	PCI	Pass
	1st GrafX-67MP	S3 ViRGE 325 2M/4M EDO RAM	PCI	Pass
Hercules	GT1202	Graphite Terminator 64/DRAM PCI 2MB	PCI	Pass
	GT3220	Graphite Terminator PCI	PCI	Pass
	S3_Vision 968	S3_Vision968 PCI	PCI	Pass
	T2212	Graphite Terminator 64/Video PCI 2MB	PCI	Pass
I/O DATA	GA-968V2/PCI	S3 86C968P 2M VGA (Japan)	PCI	Pass
Leadtek	Win Fast S280	Leadtek S3 765 1/2 MB DRAM	PCI	Pass
	Win Fast S600	Leadtek S3 ViRGE 325 EDO DRAM	PCI	Pass
Matrox	Millennium 3D	Matrox 4MB VRAM	PCI	Pass
	Mystique	Matrox 2MB SGRAM	PCI	Pass
	Mystique	Matrox 4MB SGRAM	PCI	Pass
Number 9	9FX Motion 331	#9 Motion 331 2MB DRAM	PCI	Pass
	IMAGINE 128	Turbo DLD #9 IMAGINE128 4MB VRAM	PCI	Pass
	Number 9	#9 GXE 64Pro	PCI	Pass
STB	Power 64	S3 86C764-P 2M DRAM	PCI	Pass
Trident	9680	Trident 9680 2M DRAM	PCI	Pass
Tseng	ET6000 Tseng	Tseng ET6000 PCI VGA	PCI	Pass

8.2.1.2 AGP Display Adapter Products

Vendor	Model Name	Product Description	Bus I/F	Result
3D Labs	Permedia 2	3D Labs Permedia 2 AGP 8M SGRAM	AGP	Pass
ATI	Rage Pro	ATI Rage Pro AGP-133 4M SGRAM	AGP	Pass
Cirrus	GD-5465	Cirrus GD-5465 4M RAMBUS	AGP	Pass
S3	Virge GX/2	S3 Virge GX/2 4M SGRAM	AGP	Pass
SGS	RIVA 128	SGS RIVA 128 4M SGRAM	AGP	Pass
Trident	Image 985	Trident 3D Image 985 4M SGRAM	AGP	Pass

8.2.2 SCSI Adapter Products

Vendor	Model Name	Product Description	Bus I/F	Result
Adaptec	AHA-1530P	Adaptec AHA-1530P ISA PnP SCSI	ISA PnP	Pass
	AHA-1542CS/CP	Adaptec AHA-1542C ISA PnP SCSI	ISA PnP	Pass
	AHA-2940AU	Adaptec AHA-2940AU PCI SCSI card	PCI	Pass
	AHA-2940UW	Adaptec AHA-2940UW PCI SCSI card	PCI	Pass
	AHA-3940	Adaptec AHA-3940 PCI to PCI Bridge card	PCI	Pass
	AHA-3985	Adaptec AHA-3985 PCI SCSI card	PCI	Pass
	AHA-1520/22B	Adaptec AHA-1520/22 ISA PnP SCSI	ISA PnP	Pass
	AHA-2920	Adaptec AHA-2920 PCI SCSI	PCI	Pass
	AHA-2940W	Adaptec AHA-2940W PCI SCSI	PCI	Pass
	AHA-1540CF	Adaptec AHA-1540CF ISA SCSI	ISA	Pass
BusLogic	BT-946	Buslogic BT-946 SCSI	PCI	Pass
	FlashPoint LT	Buslogic BA81C15 PCI SCSI	PCI	Pass
	BT-948CD	Buslogic BT-948CD PCI FWD SCSI	PCI	Pass
	BT-956CD	Buslogic BT-956CD PCI FWD SCSI	PCI	Pass
	KT-958	Buslogic KT-958 Narrow SCSI	PCI	Pass
Feature Domain	PnP 1630	Feature Domain 9441 PnP ISA SCSI	ISA PnP	Pass
	TMC-3260	Feature Domain 36C70 PCI SCSI	PCI	Pass
NCR	825S	NCR-825S PCI SCSI Card	PCI	Pass
	SCSI-810P	NCR-810P PCI SCSI Card	PCI	Pass
Initio	INI-9100HA/W	Initio INI-9100HA/W PCI SCSI	PCI	Pass
QLogic	QLA1040-PI	qlogic QLA1040-PI PCI SCSI	PCI	Pass
Symbios	SYM875-1SP	Symbios Logic 53C875J	PCI	Pass

8.2.3 Network Card Products

Vendor	Model Name	Product Description	Bus I/F	Result
3COM	3C-339	3COM TokenLink Velocity PCI	PCI	Pass
	3C-590	3COM Etherlink III PCI	PCI	Pass
	3C-5950TX	3COM Etherlink III 10/100 PCI	PCI	Pass
	3C-905	3COM Etherlink III 10/100 PCI	PCI	Pass
	Combo 3C509B	3COM Ethernet PnP ISA Network card	ISA PnP	Pass
Accton	ACC40	Accton ACC40 Ethernet card	ISA	Pass
	EN1207-TX	Accton 100Mbps Ethernet Card	PCI	Pass
	EN-166X	PnP ISA Ethernet card	ISA PnP	Pass
	PCI-40	Digital DC1003C PCI Network	PCI	Pass
C-NET	CN100TX	Digital DC1010BA 10/100 Mbps Ethernet Card	PCI	Pass
	CN970EBT	AMD AM97C970-A4 PCI Ethernet	PCI	Pass
Corned	TC-4145	Thomas Corned PnP ISA Token-Ring	ISA PnP	Pass
D-Link	EZ-2000CT	EZ2000+ Series Ethernet Card	ISA	Pass
	DE-530CT	Digital PCI Ethernet Card	PCI	Pass
	EZ-220 CT	PnP ISA Ethernet card	ISA PnP	Pass
Everex	EV-2064	SpeedLink ISA PnP Ethernet Card	ISA PnP	Pass
Genius	GE2500	Genius LAN Card PCI-Ethernet Card	PCI	Pass
IBM	IBM 92G7632	IBM 23H3004 Auto 16/4 Token-Ring	ISA PnP	Pass
	IBM04H8095	IBM 73G2692 Auto LAN Streamer PCI	PCI	Pass
	IBM P13H9237	IBM PCI Ethernet Adapter	PCI	Pass
	IBM P25H4374	IBM 100/10 PCI Ethernet Adapter	PCI	Pass
	IBM 41H8900	IBM PCI Token-Ring Adapter	PCI	Pass
Intel	Ether Express Pro/10+	Intel Ether Express Pro/10+ PCI LAN Adapter	PCI	Pass
	Ether Express Pro/100	Intel Ether Express Pro/100 LAN Adapter	PCI	Pass
	Express 16	Intel Express 16 ISA Ethernet card	ISA	Pass
Novell	NE2000 Plus	Novell NE2000 Plus	ISA	Pass
	NE2100	Novell NE2100	ISA	Pass
Olicom	OC-2183	Olicom Ethernet PCI/II 10 Adapters	PCI	Pass
	OC-2185	Olicom Ethernet PCI/II 10 Adapters	PCI	Pass
	OC-2325	Olicom Fast Ethernet PCI/II 10/100 Adapter	PCI	Pass
	OC-3118	Olicom ISA PnP Token-Ring card	ISA PnP	Pass
	OC-3136	Olicom PCI Token-Ring card	PCI	Pass
SMC	EtherEZ	SMC Ethernet Card	ISA PnP	Pass
	SMC 8432BT	SMC Ether Power PCI Combo	PCI	Pass
	SMC9332DST	SMC Ether Power 10/100 PCI	PCI	Pass
Thomas	TC-4045	Thomas Corned Token-Ring	ISA	Pass
	TC-4048	Thomas Conrad Token-Ring PCI Adapter	PCI	Pass
ZNXY	ZX-312	Digital DC-1003 PCI Ethernet	PCI	Pass

8.2.4 FAX / Modem Products

Vendor	Model Name	Product Description	Bus I/F	Result
CIS	WS-2814IVB	28.8 Internal PnP modem	Internal-PnP	Pass
Creative	WS-2814EM2	Creative Modem Blaster 28.8 External	External	Pass
	Phone Blaster	Creative Phone Blaster	Internal	Pass
Diamond	Telecomander	Diamond Telecomander 3500XL	Internal	Pass
HAYES	ACCUR	HAYES ACCURA 288V.FC + FAX	Internal	Pass
Megahertz	PCMCIA	Internal 2.88 Modem	Internal	Pass
Sierra	288SQ	28.8 Internal PnP modem	Internal-PnP	Pass
SINOCAL	FMVS-288	FAX/MODEM/VOICE 28800bps PnP	Internal-PnP	Pass
US Robotics	Sportster Vi	28.8 Fax modem with DSVD	Internal	Pass
	Sportster Voice	28.8 Fax modem with Voice mail	Internal-PnP	Pass

8.3 Storage

8.3.1 SCSI Peripheral Products

ITEM	Vendor	Model Name	Product Description	Result
CD-ROM	SONY	CDU-76E	SCSI CD-ROM Drive 4X	Pass
	NEC	CDR-510	SCSI CD-ROM Drive 4X	Pass
DAT	Wangtek		SCSI DAT 2.0G	Pass
Hard Disk	Quantum	LPS-540S	540MB SCSI Hard Disk Drive	Pass
		FB-1080S	1GB SCSI Hard Disk Drive	Pass
		MA-540S	540MB SCSI Hard Disk Drive	Pass
		MA-730S	740MB SCSI Hard Disk Drive	Pass
		LPS-525S	525MB SCSI Hard Disk Drive	Pass
		TM2110S	2.1GB SCSI Hard Disk Drive	Pass
	Fujitsu	M1606SAU	1.2GB SCSI Hard Disk Drive	Pass
	Seagate	ST-32550W	2GB Wide SCSI Hard Disk Drive	Pass
		ST-32171N	2.1GB Ultra SCSI Hard Disk Drive	Pass
		ST-15230N	4.29GB SCSI-II Hard Disk Drive	Pass
Iomega	Ditto	IO80Fi	Ditto Driver 800 Tape Insider	Pass
		IO80-PX3	Ditto Easy 800 External Tape Driver	Pass
	Jaz	V1000SI	Jaz 1GB SCSI	Pass
	Zip	Z100i	Zip 100 SCSI Insider	Pass
		Z100S	Zip 100 SCSI	Pass
SCSI	Conner	CFA-540S	540MB SCSI Hard Disk Drive	Pass
TAPE	Wangtek	5525ES	525MB SCSI Tape Drive	Pass

8.3.2 IDE Fixed Disk Drive Products

Vendor	Model Name	Product Description	Bus I/F	Result
Quantum	BF-1280AT	5.25" 1.2GB PIO mode 4 / DMA mode 2	IDE	Pass
	BF-2550AT	5.25" 2.5GB PIO mode 4 / DMA mode 2	IDE	Pass
	CY-2.1AT	5.25 2.1GB PIO mode 4 / DMA mode 2	IDE	Pass
	CY6480A	5.25 6.4GB Mode 4 / DMA Mode 2	IDE	Pass
	FB-3200AT	3.5 3.2GB PIO mode 4 / DMA mode 2	IDE	Pass
	FB-3840AT	3.5 3.8GB PIO mode 4 / DMA mode 2	IDE	Pass
	SR-2550AT	3.5 2.5GB PIO mode 4 / DMA mode 2	IDE	Pass
	ST-1680AT	1.6 GB PIO Mode 4 / Ultra DMA 33	IDE	Pass
	ST-6480AT	6.4 GB PIO Mode 4 / Ultra DMA 33	IDE	Pass
	TM1280AT	3.5 1.28GB PIO mode 4 / DMA mode 2	IDE	Pass
	TM2110BT	3.5 2.1GB PIO mode 4 / DMA mode 2	IDE	Pass
	TM3200AT	3.5 3.2GB PIO mode 4 / DMA mode 2	IDE	Pass
Fujitsu	M1623TAU	1.7 GB PIO mode 4 / DMA mode 2	IDE	Pass
	M2684TA	540MB PIO mode 3 / DMA mode 0	IDE	Pass
	M3684TA	850MB PIO mode 3 / DMA mode 1	IDE	Pass
IBM	DHEA-36480	6.4 GB PIO Mode 4 / Ultra DMA 33	IDE	Pass
	DJAA-21080	1.7 GB PIO Mode 4 / DMA Mode 1	IDE	Pass
	DJAA-31700	1.7 GB PIO Mode 4 / DMA Mode 1	IDE	Pass
	DPEA-31080	1GB PIO mode 3 / DMA Mode 0	IDE	Pass
Maxtor	71084A	1.08GB PIO mode 4 / DMA mode 2	IDE	Pass
	72004AP	2.0GB PIO mode 4 / DMA mode 2	IDE	Pass
Seagate	ST-31012A	1.08GB PIO mode 4/ Ultra DMA 33	IDE	Pass
	ST-31082A	1GB PIO mode 4 / DMA mode 2	IDE	Pass
	ST-31720A	1.7GB PIO mode 4 / DMA mode 2	IDE	Pass
	ST-32122A	2.1GB PIO mode 4/ Ultra DMA 33	IDE	Pass
	ST-32140A	2.1GB PIO mode 4 / DMA mode 2	IDE	Pass
	ST-33232A	3.2GB PIO mode 4/ Ultra DMA 33	IDE	Pass
	ST-33240A	3.2GB PIO mode 4 / DMA mode 2	IDE	Pass
	ST-34342A	4.3GB PIO mode 4/ Ultra DMA 33	IDE	Pass
	ST-36450A	6.4GB PIO mode 4/ DMA mode 2	IDE	Pass
	ST-36450A	Medalist Pro 6450 mode 4/ DMA mode 2	IDE	Pass
	ST-52520A	2.5GB PIO mode 4 / DMA mode2	IDE	Pass

8.3.3 Floppy Disk Drive Products

Vendor	Model Name	Product Description	Bus I/F	Result
EPSON	SMD-1304-301	1.44 MB Floppy Disk Drive	FDC	Pass
	SMD-1340-301	1.2MB Floppy Disk Drive	FDC	Pass
Mitsumi	D353T5	1.44MB Floppy 3 Mode Disk Drive	FDC	Pass
	D353T6	1.44MB Floppy 3 Mode Disk Drive	FDC	Pass
	D359T3	1.44MB Floppy Disk Drive	FDC	Pass
	D509V3	1.2MB Floppy Disk Drive	FDC	Pass
Panasonic	JU-257	1.44 MB Floppy Disk Drive	FDC	Pass
	JU-259	2.88 Floppy Disk Drive	FDC	Pass
	JU-475-3AG1	1.2MB Floppy Disk Drive	FDC	Pass
	SFD-321B/JB	1.44 MB Floppy Disk Drive	FDC	Pass
Sony	MPF-520-1	1.44MB Floppy Disk Drive	FDC	Pass
TEAC	FD-235HF	3 Mode MB Floppy Disk Drive	FDC	Pass
	FD-235HG	1.44 MB Floppy Disk Drive	FDC	Pass
	FD-235J	2.88 Floppy Disk Drive	FDC	Pass
	FD-55GF	1.2 MB Floppy Disk Drive	FDC	Pass
YEDATA	YD-380	1.2MB Floppy Disk Drive	FDC	Pass
	YD-702J	1.44 MB Floppy Disk Drive	FDC	Pass

8.3.4 ATAPI CD-ROM Device Product

Vendor	Model Name	Product Description	Bus I/F	Result
GoldStar	CDR-7930	ATAPI CD-ROM Device 8X	IDE	Pass
	CDR-8130	ATAPI CD-ROM Device 12X	IDE	Pass
	CRD8160B	OPTI-DRIVE 650MB IDE 16X CD-ROM	IDE	Pass
	GCD-R580B	ATAPI CD-ROM Device 8X	IDE	Pass
Lite-On	LTN-242	OPTI-DRIVE 650MB IDE 24X CD-ROM	IDE	Pass
	LTN-262	OPTI-DRIVE 650MB IDE 16X CD-ROM	IDE	Pass
Mitsumi	CMRC-FX120T	ATAPI CD-ROM Device 12X	IDE	Pass
	CMRC-FX140S	OPTI-DRIVE 650MB IDE 16X CD-ROM	IDE	Pass
	CMRC-FX240S	ATAPI CD-ROM Device 24X	IDE	Pass
	CRMC-FX810T	ATAPI CD-ROM Device 8X	IDE	Pass
	CRMC-FX820	OPTI-DRIVE 650MB IDE CD-ROM 8X	IDE	Pass
NEC	CDR-1400A	ATAPI CD-ROM Device 8X	IDE	Pass
	CDR-1600A	OPTI-DRIVE 650MB IDE 16X CD-ROM	IDE	Pass
	CDR-1700A	OPTI-DRIVE 650MB IDE 20X CD-ROM	IDE	Pass
Panasonic	CR-584B	OPTI-DRIVE 650MB 12X IDE CD-ROM	IDE	Pass
Sony	CDU311-10	ATAPI CD-ROM Device 8X	IDE	Pass
TATUNG	CD-850B	ATAPI CD-ROM Device 8X	IDE	Pass
Torisan	CDR-S18	OPTI-DRIVE 650MB IDE CD-ROM 8X	IDE	Pass
	CDR-S112	OPTI-DRIVE 650MB IDE 16X CD-ROM	IDE	Pass
Wearnes	CDD-820	ATAPI CD-ROM Device 8X	IDE	Pass
	CDD-1620	OPTI-DRIVE 650MB IDE 16X CD-ROM	IDE	Pass
	CDD-2420	OPTI-DRIVE 650MB IDE 24X CD-ROM	IDE	Pass

Vendor	Model Name	Product Description	Bus I/F	Result
Hitachi	CDR-8330	ATAPI CD-ROM Device 24X	IDE	Pass
TEAC	CD524E	ATAPI CD-ROM Device 24X	IDE	Pass

8.3.5 ATAPI Disk Drive (IDE Interface)

Vendor	Product Description	Bus I/F	Result
Mitsubishi	MF357G-111MA LSA-120	IDE	Pass
Panasonic	LKM-F434-105 LS-120	IDE	Pass
Zip	Z100 Zip IDE DRIVE 29ms 100MB	IDE	Pass

8.4 Peripherals

8.4.1 Printer Peripheral Products

Vendor	Model Name	Product Description	Bus I/F	Result
Actisys	ACT-IR210L	InfraRed Computer Link	LPT	Pass
D-Link	DE-EPP	D-Link EPP Pocket LAN	LPT	Pass
HP	LaserJet III	HP LaserJet III	LPT	Pass
	LaserJet 5P	HP LaserJet 5P support IR Interface	LPT	Pass
LEO	LEO 300 ECP	LEO LPT scanner Scan-S6	Printer/ECP	Pass
	LEOScan	LEO ECP FS-1130A Scanner	Printer/ECP	Pass
Road Runner	Express T305	External Parallel Port Tape Backup	LPT	Pass
	Express CD-4X	External Parallel Port CD-ROM Driver	LPT	Pass
	Express FD144	External Parallel Port Floppy Drive	LPT	Pass
	Express XD	External Parallel Port Hard Driver	LPT	Pass
Up-select		External EPP SCSI BOX	LPT	Pass
Zip	ZIP100	Iomega ZIP 100 Parallel port	LPT	Pass

8.4.2 Mouse Products

Vendor	Model Name	Product Description	Bus I/F	Result
Actisys	ACT-IR220-L	InfraRed Computer Link	Serial	Pass
Genius	Serial	Serial Mouse 3-Button	Serial	Pass
KYE	Niche-N201	Serial Mouse (2 button)	Serial	Pass
	Mouse one 2B	Serial Mouse (2 button) & Pad	Serial	Pass
	Mouse one 3B	Serial Mouse (3 button) & Pad	Serial	Pass
LEO	AD-M36	Serial Mouse 3-Button	Serial	Pass
Logitech	M-S34	PS/2 compatible Mouse	PS/2	Pass
	M-M34	Serial Mouse	Serial	Pass
Microsoft	Microsoft Mouse	Microsoft Serial - PS/2 Mouse	Serial/ PS2	Pass
NEC	M-S28	Serial Mouse	Serial	Pass
Qtronix	Lynx-25P	PS/2 Compatible Mouse	PS/2	Pass
	Lynx-25S	Serial Mouse	Serial	Pass

8.4.3 USB Device Products

Type	Vendor	Parts No	Description	Result
Joystick	Paramount		USB Joystick	Pass
Keyboard	Chicony	KU-8933	USB Keyboard	Pass
	Silitek		USB Keyboard	Pass
Mouse	Cypress		USB Mouse	Pass
	DEXIN	MA2R	USB Mouse	Pass
	Genius		USB Mouse	Pass
	Logitech	M-UA35	USB Mouse	Pass

8.4.4 Joystick & Game Pad

Vendor	Product Description	Result
Gravis	Game Pad Pro	Pass
Microsoft	SideWinder 3D Pro	Pass
PHAZER PAD	Advanced Digital Gamepad for DOS & Windows 95	Pass

8.5 Multimedia

8.5.1 Sound Blaster Products

Vendor	Model Name	Product Description	Bus I/F	Result
Advance	ALS-100	Advance Logic PnP Sound	ISA PnP	Pass
AMD	Inter Wave	AMD AM78C201KC PnP Sound	ISA PnP	Pass
AZTECH	Waverider 32+	Aztech Sound Galaxy Waverider 32+	ISA	Pass
	AZT2320	Aztech Waverider32 +	PnP ISA	Pass
Creative	AWE32	Creative AWE32 Sound Blaster	ISA PnP	Pass
	AWE64	Creative AWE64 Sound Blaster	ISA PnP	Pass
	CT-2890	Creative ISA PnP Sound Blaster	ISA PnP	Pass
	CT-2940	Creative ISA PnP Sound Blaster	ISA PnP	Pass
	CT-2950	Creative ISA PnP Sound Blaster	ISA PnP	Pass
	CT-3600	Creative ISA PnP Sound Blaster	ISA PnP	Pass
	CT-3990	Creative ISA PnP Sound Blaster	ISA PnP	Pass
	CT-2760	Creative ISA PnP Sound Blaster	ISA PnP	Pass
	CT-3620	Creative ISA PnP Sound Blaster	ISA PnP	Pass
Diamond	Multimedia Kit 6000	Diamond Viper Multimedia Kit 6000	ISA	Pass
ESS	ESS-1688	ESS ISA PnP Sound Blaster	ISA PnP	Pass
	ESS-1868	ESS ISA PnP Sound Blaster	ISA PnP	Pass
	ESS-1788	ESS ISA PnP Sound Blaster	ISA PnP	Pass
Everex	Wave Machine	Crystal CS4332 PnP Sound card	ISA PnP	Pass
Formosa	SC-1650	Ginaaction Sound Conductor 16 PnP	ISA PnP	Pass
	SC-1670W/1670W+3D	16PNP Sound Card ISA Bus	ISA PnP	Pass
	SC-1671/1671+3D	16PNP Sound Card ISA Bus	ISA PnP	Pass
	SC200/SC200+3D	16PNP Sound Card ISA Bus	ISA PnP	Pass
Ultra	Sound Card	Ultra Sound Blaster	ISA PnP	Pass

8.5.2 MPEG Video Products

Vendor	Model Name	Product Description	Bus I/F	Result
Creative	Video Blaster SE-100	Creative SE-100 MPEG card	ISA	Pass
	Video Blaster CT-6000	Creative CT-6000 Video Capture board	ISA	Pass
Creative	MPEG-II	DVD Decoder Board Plug & Play	PCI	Pass
FIC	1stGrafX-CP3	S3 443 1/2 DRAM	PCI	Pass
Formosa	MPEG-MP020	Formosa Full Function MPEG card	ISA	Pass
Formosa	MPEG-MP021	Formosa Full screen MPEG	ISA	Pass
Formosa	TV-Tuner	Formosa TV-Tuner board	ISA	Pass
Formosa	MPEG-MP011A	Formosa Full Function MPEG Short card	ISA	Pass
Real Magic	MPEG	Real Magic Full Function MPEG card	ISA	Pass

8.5.3 TV Tuner Display Products

Vendor	Model Name	Product Description	Bus I/F	Result
AITech	AITech vision for Multimedia	Wave Watcher TV-II	ISA	Pass
Diamond	DTV 1100	Diamond Multimedia Upgrade	ISA	Pass
Matrox	Media TV	Media TV MGA Millennium	ISA	Pass

8.6 Power Supply Products

Vendor	Model Name	Product Description	Result
Enhance	E520	200W 110/ 220 V PS II	Pass
	V520	200W 110/ 220 V PS II	Pass
	V515	150W 110/ 220 V PS II	Pass
Lead Year	ESP-2200	200W 110 / 220 V PS II	Pass
	ES-2250	250W 110 / 220 Remote Power Supply	Pass
Sea Sonic	SSG-200G	200W ATX Remote Power Supply	Pass
Seven Team	ST-230WHF	230W 110 / 220 VPS II	Pass
	ST-211WHF	200W 110 / 220 VPS II	Pass
YHI	YS-6200DJ	200W ATX Remote Power Supply	Pass

8.7 DVD Device Products

Vendor	Product Description	Result
Creative	PC-DVD MK5000	Pass

9. Software Compatibility Test Suite

9.1 Base Operating System

The board is tested to ensure that it runs a complete a range of Operating Systems and thus operate in all network environments The board's Power Management and Remote functions are also tested.

Operating System	Version	Language	Company	Status
IBM DOS	7.0	German	IBM	Pass
IBM OS/2 Warp	4.0	English	IBM	Pass
IBM OS/2 Warp	3.0	German	IBM	Pass
MS DOS	6.22	English	Microsoft	Pass
	6.22	German	Microsoft	Pass
MS Windows 95	950b	English	Microsoft	Pass
	950b	Chinese	Microsoft	Pass
MS Windows 95 OSR2.1	950b	English	Microsoft	Pass
Novell Network	3.12	English	Novell	Pass
Novell Network	4.10	English	Novell	Pass
Novell Network	4.11	English	Novell	Pass
Windows for Workgroups	3.11	English	Microsoft	Pass
Windows NT Advance Server	3.51	English	Microsoft	Pass
Windows NT Server	4.0	English	Microsoft	Pass
Windows NT Server	4.0	Chinese	Microsoft	Pass
Windows NT Workstation	3.51	English	Microsoft	Pass
Windows NT Workstation	4.0	English	Microsoft	Pass

9.2 Operating System for Japanese

Operating System	Version	Language	Company	Status
E Ti Lan	6.3	Japanese	E Ti Lan	Pass
IBM OS/2 Warp	3.0	Japanese	IBM	Pass
Lotus Windows 95 Super Office96		Japanese	Microsoft	Pass
Microsoft Office Designed for Windwos95	7.0	Japanese	Microsoft	Pass
MS Windows 95	4.0a	Japanese	Microsoft	Pass
Novell Network	4.11	Japanese	Novell	Pass
Windows NT Server	4.0	Japanese	Microsoft	Pass
Windows NT Workstation	4.0	Japanese	Microsoft	Pass

9.3 Software Applications

Item	Descriptions	Version	O.S.	Language	Status
Suites	Lotus SMART Suites 96	1.0	Windows 95	English	Pass
	MS Office 97 for Windows95	7.0	Windows 95	English	Pass
	MS Office for Windows	4.3	Windows	English	Pass
	MS Office for Windows	4.3	Windows	Chinese	Pass
	MS Work for Windows	3.0	Windows	English	Pass
	MS Work for Windows95	4.0	Windows 95	English	Pass
Word Processor	AMI Pro for Windows	3.1	Windows	English	Pass
	AMI Pro for Windows	3.1	Windows	Chinese	Pass
	MS Word for Windows	6.0	Windows	English	Pass
	MS Word for Windows	6.0	Windows	Chinese	Pass
	PE III (DW3)	4.0	DOS	English	Pass
	Word Prefect for Windows	6.0	Windows	English	Pass
	Word Pro for Windows96		Windows	Chinese	Pass
	WordPerfect	6.0	Windows	English	Pass
Communication	cc: Mail/Add-on		Windows	English	Pass
	BITWare	3.30	Windows 95	English	Pass
	Delrina CommSuite	1.0	Windows 95	English	Pass
	LapLink	7.0A	Windows 95	English	Pass
	Norton Anywhere	1.0	Windows	English	Pass
	WinFAX Pro	7.0	Windows 95	English	Pass
	WinFAX Pro for Win 95	4.0	Windows 95	English	Pass
CAD	3D Disign Plus	2.0	Windows	English	Pass
	3D Studio	4.0	DOS	English	Pass
	Animator Pro	1.3	DOS	English	Pass
	AutoCAD	R13	DOS	English	Pass
	AutoCAD	R13	Windows 95	English	Pass
	Micro Station	5.0	Windows	English	Pass
	OrCAD	4.20	DOS	English	Pass
	PCAD	4.5	DOS	English	Pass
Database	Approach 96	1.0	Windows 95	English	Pass
	Borland Visual Dbase	5.5	Windows 95	English	Pass
	DBASE IV	2.0	DOS	English	Pass

Item	Descriptions	Version	O.S.	Language	Status
	FoxBase Microsoft	2.1	Windows	English	Pass
	FoxPro Microsoft	2.6	Windows	English	Pass
	Lotus Notes	4.0	Windows 95	English	Pass
	Notes	3.0	Windows	Chinese	Pass
	Visual dBASE Compiler	5.5	Windows 95	English	Pass
	Visual Foxpro	3.0A	Windows 95	English	Pass
Graphics	Corel Draw	6.0	Windows 95	English	Pass
	Corel Draw	6.0	Windows 95	Chinese	Pass
	Fractul Design Painter	4.0	Windows 95	English	Pass
	Windows Draw	3.0	Windows	English	Pass
	MS PowerPoint	4.0	Windows	English	Pass
Graphics	Designer	4.1	Windows	English	Pass
	Pagemaker	6.5	Windows 95	English	Pass
	Visio HOME	4.0	Windows 95	English	Pass
	Photo Shop Pro	3.05	Windows 95	English	Pass
	MS-Publisher	3.0	Windows 95	English	Pass
Presentation Program	MS PowerPoint	7.0	Windows 95	English	Pass
	MS Visual Basic	4.0	Windows 95	English	Pass
	MS Visual C++	4.0	Windows 95	English	Pass
	Macro Assembler	6.11	DOS	English	Pass
	Borland C++	4.0	Windows	English	Pass
	Borland C++	5.0	Windows 95	English	Pass
	Turbo C++	3.1	Windows	English	Pass
	Borland Delphi	2.0	Windows 95	English	Pass
Diagnostic Program	Bapco95 for Win NT	1.0	Windows NT	English	Pass
	Bapco95 for Win 95	1.0	Windows 95	English	Pass
	PC Magazine Winstone 97	1.0	Windows 95	English	Pass



Item	Descriptions	Version	O.S.	Language	Status
	Speed for Win95	3.0	Windows	English	Pass
	QAPlus	5.51	DOS	English	Pass
	QAPlus	5.50	DOS	English	Pass
	QAPlus	7.0	Windows 95	English	Pass
	Landmark(Speedcom)	2.0	DOS	English	Pass
	QAPlus	4.8	DOS	English	Pass
	Check IT Pro	3.0	Windows 95	English	Pass
	Intel LANDesk Client Manager	3.0	Win95/Win NT	English	Pass
	Intel LANDesk Client Manager	3.1 Beta2	Win95/Win NT	English	Pass
Tools	After Dark	3.0	DOS	English	Pass
	After Dark	3.0	Windows	English	Pass
	After Dark for Win95	3.0	Windows 95	English	Pass
	Central Point Backup	1.0	Windows	English	Pass
	Desq View386	2.7	Windows	English	Pass
	Microsoft Plus!	1.0	Windows 95	English	Pass
	Microsoft Plus!	1.0	Windows 95	Chinese	Pass
	Norton Backup	2.2	Windows	English	Pass
	Norton Commander	5.0	DOS	English	Pass
	Norton Desktop	3.0	Windows	English	Pass
	Norton Utility	9.0	Windows 95	English	Pass
	Norton Utility	8.0	Windows	English	Pass
	QEMM386	8.00	Windows 95	English	Pass
	Sidekick	2.0	DOS	English	Pass
	Xing Soft MPEG Player	3.0	Windows 95	English	Pass
Time Management	MS Project	4.1	Windows 95	English	Pass
	Organizer	2.1T	Windows	Chinese	Pass
Scan	Norton Antivirus	2.0	Windows 95	English	Pass
	PC-cillin 97	5.0	Windows 95	English	Pass

Item	Descriptions	Version	O.S.	Language	Status
Internet	Internet Explore	2.0/3.0	Windows 95	English	Pass
	Netscape	3.01	Windows 95	English	Pass
	Winsock	1.0	Windows 95	English	Pass
	Winspan	4.0	Windows	English	Pass
CD Title Game	3D Vltra Pin Ball	1.0	Windows 95	English	Pass
	AH-64D longbow	1.0	DOS	English	Pass
	Blood & Magic			English	Pass
	Broken & Word			English	Pass
	Command & Conquer			English	Pass
	Command & Conquer Red Alert			English	Pass
	Crusader No Regret			English	Pass
	CRUSADER NO REMORSE			English	Pass
	Dagger fall			English	Pass
	DARK FORCES WARS (CD)		DOS (CD)	English	Pass
	Day of the TenTacle(CD)			Chinese	Pass
	Day of the TenTacle(CD)			Chinese	Pass
	Descent (CD)©)			English	Pass
	Descent II			English	Pass
	DIABLO BLIZZARD (CD)		Win95 / NT4.0	English	Pass
	Duke Nukem 3D	1.0	DOS	English	Pass
	Escape from Cyber City	1.0	DOS	English	Pass
	Flight Unlimited	1.0	DOS (CD)	Chinese	Pass
	Flight Unlimited	1.0	DOS (Chinese)	Chinese	Pass
	FRONT LINES (Chinese CD)			Chinese	Pass
	FULL THROTTLE (CD)©)			English	Pass
	Game break			English	Pass
	HAVOC	1.0	Window 95	English	Pass
	Hell bender		WIN95	English	Pass
	Indy Car II Racing	1.0	DOS	English	Pass
	International Tennis Open	1.0	DOS	English	Pass
	M.A.X.			English	Pass
	Magic 2 Carpet			English	Pass
	Master of Orion II Battle at Antares		WIN95	English	Pass
	Mech Warrior 2 Mercenaries			English	Pass
	Mech Warrior2	1.0	Windows 95	English	Pass



Item	Descriptions	Version	O.S.	Language	Status
	MYST	1.0	Windows 95	English	Pass
	NFL Football Trivia Challenge	1.0	DOS	English	Pass
	PGA TOUR 96			English	Pass
	PRIVATEER2 THE DARKENING			English	Pass
	Sky NET			English	Pass
	The Beast Within			English	Pass
	THE NEED FOR SPEED SE			English	Pass
	Tle Fighter Wars (CD)©)			English	Pass
	Toy Story	1.0	Windows	English	Pass
	War Wind		WIN95	English	Pass
	WARCRAFT II TIDES OF DARKNESS		DOS, WIN31 & WIN95	English	Pass
	Wing Commander III	4.0	DOS	English	Pass
	Wing Commander III			English	Pass
CD Title Multimedia	Adams Family		Windows	English	Pass
	Blank Rain		Windows	English	Pass
	Cinderella		Windows	English	Pass
	Compton's Interactive Encyclopedia		Windows	English	Pass
	Living Book Grand Ma &Me		Windows	English	Pass
	Multimedia Super Pack		Windows	English	Pass
	Top Gun		Windows	English	Pass
CD Title	Action	3.0	Windows	English	Pass
	Calendar Address Book		Windows	English	Pass
	The Ultrasound CD		Windows	English	Pass
	Trip Maker		Windows	English	Pass