

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

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BIOS Version: *QC611*

Supervisor	Tester

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CAD
Database
Graphics
Presentation
Program
Diagnostic Program
Tools
Time Management
Scan
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CD Title Game
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CD Title



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 : VB-601-V PCB Rev 1.3
Product Name : VIA Apollo BX+ Based Mainboard
System BIOS : AMI BIOS Version QC611
PCI IDE : Internal PCI Mastre dual IDE
I/O : Winbond 83977EF-AW

3. Mainboard CPU Supports:

Intel Processors	Bus	Status
Pentium II 233MHz	66	Pass
Pentium II 266MHz	66	Pass
Pentium II 300MHz	66	Pass
Celeron 266MHz	66	Pass
Celeron 300MHz	66	Pass
Celeron 300MHz (with 128K cache)	66	Pass
Celeron 333MHz (with 128K cache)	66	Pass
Pentium II 333MHz (Deschute)	66	Pass
Pentium II 350MHz (Deschute)	100	Pass
Pentium II 400MHz (Deschute)	100	Pass
Pentium II 450MHz (Deschute)	100	Pass

4 System Specification for Hardware and Software Utilities

The mainboard hardware portion was configured as follows :

Item	Description
System Core Logic	VIA Apollo BX+
System Cache	0K/128K/512K Pipeline Burst SRAM Built-in CPU card
System Memory	Maximum : 1GB
	168 pins single RAS and Double RAS DIMM RAM Module
	SDRAM
PCI Bus Clock	Synchronous mode (depended on CPU Clock divide by 2)
System Slots	1 AGP and 5 PCI and 2 ISA slots
IO Corelogic	Winbond 83977EF-AW Support Normal,EPP,ECP mode and IR interface
PCI IDE	VIA 82C596 internal Bus Master PCI IDE.

4.1 Main Functionality Test:

Num	M/B function	Result
1	ACPI Ready	PASS
2	APM 1.2	PASS
3	Wake On LAN	PASS
4	Wake On Ring	PASS
5	RTC Alarm Function	PASS
6	H/W Monitoring (+/-12V,+/-5V,Vccp,+5VR)	PASS
7	SB_LINK Connector support	PASS
8	Thermal Management	PASS
9	USB Function	PASS
10	Keyboard/PS2 mouse Power On	PASS
11	Year 2000 Compliance	PASS

4.2 Main Software Utilities Test:

Num	M/B function	Version	Result
1	VIA IDE Bus Master for Win 95/98/NT	2.1.26	PASS
2	VIA 596 INF Patch file for Win 95/98	1.1	PASS
3	VIA AGP VxD Utilities for Win 95/98	2.9	PASS
4	AMI BIOS Flash ROM Utilities	6.42	PASS
5	AMI DMICFG Utilities for DOS	2.1	PASS

5. Jumper Function Verification

Description	Jumper Name	Default Option	Status
Speaker Connector	SPK	Open	Pass
Power LED	PW_LED	Open	Pass
Suspended Switch	SP_SW	Open	Pass
IDE LED Connector	IDE_LED	Open	Pass
Reset Switch	RST	Open	Pass
Remote Power Switch	RPW_SW	Open	Pass
CPU FAN Connector	FAN1	Open	Pass
Chassis FAN Connector	FAN2	Open	Pass
CPU Clock Rate	SW1-1~4	On,On,Off,On	Pass
Clear CMOS	SW1-5	Off	Pass
Clear Password Switch	SW1-6	Off	Pass
Internal USB Connector	J1	Open	Pass
Sound Blaster_Link	SB_LINK	Open	Pass
Keyboard Power-On Select	KB_PWN	2-3	Pass
IR interface	IR	Open	Pass
BIOS Boot Block Select	EP1 / EP2	2-3 / 2-3	Pass
LAN Wake Up	WOL	Open	Pass

6. Stability Test

6.1 Worst Case Test :

System Configuration			
CPU	: Pentium II 333/450	CD ROM	: TEAC CD-532EA 32X CD-ROM
Cache Memory	: 512 K	Mouse	: Microsoft PS/2 mouse
On Board Memory	: SDRAM 128MB	O.S. Environment	: WIN 95, WinNT, SCO Unix
HDD	: Quantum Fireball SE 4.3GB	Chamber	: KATO SE-47CRT
FDD	: Mitsumi D353F3 1.44MB		

1. Temperature Strife Margin Test : (1.5 days)

DC voltage: 3.3V and 5V fixed

Temperature range: -30 ~ 90C ° (Out side)

Frequency test on 66MHz or 100MHz frequency

Diagnostic Program: AMIDdiag program will be ran at each different temperature ranges.

NO.	Test Engineer	Test Result	Remark
1.	Jason Chen	PASS	

2. Full Loading Test : (1 days)

Full loading test condition:

a. All memory banks loaded.

b. All available slots occupied.

c. Both IDE channels are used.

DC voltage: 3.3V and 5V fixed.

Temperature range: Ambient Temperature (about 25°C)

Frequency tested are on 66MHz, 75MHz, 83MHz or 100MHz with a $\pm 10\%$ frequency variation.

Diagnostic Program: Win NT HCT Stress test and SCO UNIX burn in.

NO.	Test Engineer	Test Result	Remark
1.	Jason Chen	PASS	

3. Power Cycling test (Power On/Off Test): (1days)

DC voltage: change power voltage 3.0V/5.0 V $\pm 0.5\%$ (Vcc)

Power on and off test using both 110V/230V input .

Temperature range: -30°C to 90°C

Power On/Off ten times in each condition

Diagnostic Program: Win 95/98

NO.	Test Engineer	Test Result	Remark
1.	Jason Chen	PASS	

6.2 Field (Stress) Test: Dynamic Burn-in Tests

Software Name	Duration	Result
BAPCO for Windows NT	24 hr.	<i>Pass</i>
Test Configurations for NT	Intel Pentium II 450MHz Onboard Intel i740 4MB SGRAM AGP VGA 128MB SDRAM Memory Adaptec AHA 2940UW Seagate Wide SCSI ST-32272W 2.2GB SCSI HDD	
Novell Server version 4.11	48 hr.	<i>Pass</i>
Test Configurations for Novell	Intel Pentium II 400MHz Adaptec AHA 3940 Quantum Fireball SE 2.1GB SCSI HDD 3COM 3C595 10/100 PCI Netware card (Connect to 4-6 workstation) 64MB SDRAM Memory Onboard Intel i740 4MB SGRAM AGP VGA Test Program : Novell Nwtest	
SCO UNIX Open Desktop 5.0	24 hr.	<i>Pass</i>
Test Configurations for SCO	Intel Pentium II 450MHz SONY CDU-55S SCSI CD-ROM Quantum Fireball 2.1GB TM2110S SCSI Disk 128MB Memory Onboard Intel i740 4MB SGRAM AGP VGA Test Program : Create a batch file	
IBM OS/2 Warps 4.0	24 hr.	<i>Pass</i>
Test Configurations for OS/2	Intel Pentium II 400MHz Maxtor Diamond 88400D8 Ultra DMA 8.4GB HDD Onboard Intel i740 4MB SGRAM AGP VGA 64MB SDRAM Memory Test program : Create Batch file	
Winstone 98 Under WIN95	48hr.	<i>Pass</i>
Test Configurations for Winstone 98	Intel Pentium II 450MHz Quantum Fireball SE Ultra DMA 4.3GB HDD 64MB SDRAM Memory. Onboard Intel i740 4MB SGRAM AGP VGA	
BAPCO for Windows 95	24hr.	<i>Pass</i>
Test Configurations for SYSmark 32 under Windows 95	Pentium II 450MHz IBM DHEA-36480 Ultra DMA/33 6.4GB IDE HDD 64MB SDRAM Memory. Onboard Intel i740 4MB SGRAM AGP VGA	



7. Base Operating Systems HCT Tests

Operating System	Company	HCT Name	Result
Windows NT Version 4.00	Microsoft	Window NT HCT 7.6	<i>Pass</i>
Test Configurations	Intel Pentium II 450MHz On board 128MB Memory. Onboard Intel i740 4MB SGRAM AGP VGA		
Windows 95	Microsoft	Window 95 HCT 7.6	<i>Pass</i>
Test Configurations	Intel Pentium II 450MHz On board 64MB Memory. Onboard Intel i740 4MB SGRAM AGP VGA		
Windows 98	Microsoft	Window 95 HCT 7.6	<i>Pass</i>
Test Configurations	Intel Pentium II 450MHz On board 64MB Memory. Onboard Intel i740 4MB SGRAM AGP VGA		
Windows 98 with ACPI	Microsoft	Window 95 HCT 7.6	<i>Pass</i>
Test Configurations	Intel Pentium II 450MHz On board 32MB Memory. Onboard Intel i740 4MB SGRAM AGP VGA		

8. Hardware Compatibility Test Suite

8.1 Memory

Test Configuration:

OS Ver ☒ Win 95 Ver: SR2 2.5 .

☒ Win NT Ver: 4.0 .

CPU Intel Pentium II 333/450MHz

☒ Intel

HDD Fujitsu MPA3052AT 5.2GB IDE

☒ PIO4 ☒ UDMA/33

Channel: ☒ PM ☒ PS ☒ SM ☒ SS

VGA Intel i740 4MB SGRAM

☒ PCI_Slot: ☒ AGP

CD-ROM NEC CDR-1900A 32X IDE

Channel: ☒ PM ☒ PS ☒ SM ☒ SS

Sound ESS Solo-1

☒ ISA_Slot: ☒ Onboard PCI

Mouse Microsoft IntelliMouse PS/2 Mouse

☒ COM ☒ PS/2

The following SDRAM module test Winstone 98 / BAPCO under Windows 95/NT with BIOS set up default value and set to the follow condition 1024 x 768 x 256 colors, resolution refresh rate of 75Hz, small font.

8.1.1 SDRAM DIMM Module (PC66)

Vender	IC Part No.	ECC	Size	Side	Module No.
Fujitsu	81117622A-100FN	No	16MB	S	
	81117822E-100FN	No	32MB	D	
	81164842A-100FN	Yes	128MB	D	
HYUNDIA	HY57V168010A-10	No	16MB	S	HYM7V64200 TFG-10
	HY57V168010A-10	No	16MB	S	MEMDIMO12AAWW
	HY57V168010A-10	Yes	32MB	D	HYM7V72A400 TFG-10
	HY57V658020TC-10	Yes	64MB	S	HYM7V72A801
	HY57V658020TC-10	No	128MB	D	U8
LGS	GM72V16821BT10	No	16MB	S	
Micron	MT48LC2M8A-10	No	16MB	S	MTBLSDT264AG
	MT48LC2M8A1-10	No	16MB	S	MT8LSDT264AG-662C1
	MT48LC2M8A1-10	No	32MB	S	MT16LSDT464AG-66CL2
	MT48LC2M8A1-10	Yes	32MB	D	MT16LSDT472A6-662C1
Mitsubishi	M5M4V16S30CTP-12	No	16MB	S	MH2S64CZTJ-15
	M5M4V16S30CTP-12	No	32MB	D	MH4S64CZTJ-16
	M5M4V16S30DTP	Yes	32MB	D	M04B032M2EE72208-C3100
NEC	D4516821G5-A67-7	No	16MB	S	MC-452AB644F-A67
	D4516821GS-A12	No	16MB	S	MC-452AB644F-A12
SEC	KM48S2020AT-G12	No	16MB	S	MDS163S-28
	KM48S2020AT-G12	No	16MB	S	KMM366S203AT-G2
	KM48S2020BT-G10	No	16MB	S	KMM366S203BTN-G0
	KM48S2020BT-G10	Yes	32MB	D	KMM374S403BTN-G0
	KM48S2020CT-GH	Yes	32MB	D	M04B032M2EE72208-C2100
	KM416S4030AT-G10	No	64MB	D	KMM366S824AT-G0
	KM48S8030AT-G10	No	64MB	S	KMM366S823AT-G0
SIEMENS	HYB39S16800T-10	No	16MB	S	NYS64V2000GU-10
	HYB39S16800AT-10	No	16MB	S	HYS64V2100GU10



	HYB39S16800AT-10	Yes	32MB	D	HYS72V4120GU10
TI	TMX626812DGE-12A	No	16MB	S	TX2SR64EPU-12A
	TMS626812DGE-12A	No	16MB	S	TM2SN64EPU-12A
	TMS626812DGE-12A	No	32MB	D	TX4SR64EPU-12A
Toshiba	TC59S1616AFT-12A	No	8MB	S	THMY641051AEG-12A
	TC59S1608AFT-12A	No	16MB	S	THMY640231AEG-12A
	TC59S1608AFT-12A	No	16MB	S	
	TC59S1608AFT-12A	No	32MB	D	THMY644041AEG-12A

8.1.2 SDRAM DIMM Module (PC100)

Vender	IC Part No.	ECC	Size	Side	Module No.
Mitsubishi	M5M4V16S30DTP	Yes	32MB	D	M04B032M2EE72208-C3100
	M5M4V64S30ATP-8	Yes	64MB	S	M04B064M1HE72224-C3100
NEC	D4516821AG5-A10-7JF	Yes	32MB	D	M04B032M2EE72208-C3100
Fujitsu	81F16822D-102LFN	Yes	32MB	D	M04B032M2EE72208-C2100
	81F64842B-103FN	Yes	64MB	S	M04B064MIHE72224-C3100
LGS	GN72V661641CT7J	No	32MB	S	AAL8134
	GN72V661641CT7J	No	64MB	D	ABL8141
SEC	KM48S8030BT-GH	No	64MB	S	
	KM48S8030BT-GH	No	128MB	D	
Toshiba	TC59S6408FTL-80H	Yes	64MB	S	MO4B064M1HE72224-C2100

8.2 Add-on Cards

8.2.1 Display Adapter Products

Test Configuration:

OS Ver ☒ Win 95 Ver: SR2 2.5

CPU Intel Pentium II 400MHz

☒ Intel

Memory Fujitsu 32MB (81F16822D-102LFN)

Total: 64 MB ☐ PC66 ☒ PC100

HDD Maxtor Diamond 86480D6 8.4GB IDE

☐ PIO4 ☒ UDMA/33

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

CD-ROM Pioneer DR-502S 24X IDE

Channel: ☐ PM ☐ PS ☒ SM ☐ SS

Sound ESS Solo-1

☐ ISA_Slot: ☒ Onboard PCI

Mouse Logitech MouseMan Mouse

☐ COM ☒ PS/2

The following PCI/AGP VGA cards test WinBench 98 / 3D WinBench 98 under Windows 95 with their respective VGA drivers installed and set to the follow condition 1024 x 768 x 256/16bit colors(3D WinBench 98 use 16bit color), resolution refresh rate of 75Hz, small font.

8.2.1.1 AGP Display Adapter Products

Vendor	Model Name	Product Description
ATI	Rage Pro Turbo	ATI Rage Pro Turbo 2X AGP 4MB SGRAM
	Rage Pro	ATI Rage Pro AGP-133 4MB SGRAM
	Rage IIC	ATI Rage IIC AGP 4MB SGRAM
Cardex	3D Labs Permedia 2	3D Labs Permedia 2 AGP 4MB SGRAM
	Intel i740	Intel i740 Evaluation Board
	Trident Image 9750	Trident 3D Image 9750 4MB SGRAM
	Trident Image 9850	Trident 3D Image 9850 4MB SGRAM
UPMOST	S3 Virge/GX2	UP385TV
Number #9	Number Nine 9730	Revolution 3D 4MB WRAM
SiS	SiS 6326	Daytona 3D 4MB SGRAM
Real 3D	Intel i740	STARFIGHTER 4MB SGRAM
Compro	Riva 128	Best 3D 4MB SGRAM
Asus	Riva 128	Best 3D 4MB SGRAM
ELSA	3D Labs Permedia 2	Winner 2000/office

8.2.1.2 PCI Display Adapter Products

Vendor	VGA Chip	Product Description
ATI	ATI Mach64	ATI Mach64
	ATI Mach64	ATI Mach64 VT
	ATI Rage II	ATI Rage II 3D
Diamond	S3 964	Stealth 64Video
	S3 968	Stealth 4MB VRAM
ELSA	S3 Virge	Victory 3D-4
	S3 Virge/VX	Winner 2000AVI/3D
	S3 Virge/VX	Winner 3000L 3D
Number #9	LSI 128	Image 128
FIC	S3 Trio64 V+	1StGrafx-65MP
	Cirrus 5434	1StGrafx-46MP
	S3 Trio64	764-PD
Cardex	S3 Virge	S3 Virge
Canpous	S3 Virge/DX	S3 Virge/DX
	S3 Trio64 V+	Power Windows
STB	S3 Trio64 V+	Power 64
	Riva 128	Velocity 128 3D 4MB SGRAM

8.2.2 SCSI Adapter Products

Test Configuration:

OS Ver ☒ Win 95 Ver: SR2 2.5
☒ Win NT Ver: 4.0
CPU Intel Pentium II 450MHz ☒ Intel
Memory Fujitsu 32MB (81F16822D-102LFN) Total: 64 MB ☐ PC66 ☒ PC100
VGA Cardex 3D Labs Permedia 2 ☐ PCI_Slot: ☒ AGP
HDD IBM DCAS34330 4.5GB SCSI HDD ☒ Ultra SCSI ☐ Ultra Wide
CD-ROM Plextor PX-32Tsi 32X SCSI ☒ Ultra SCSI ☐ Ultra Wide
Sound ESS Solo-1 ☐ ISA_Slot: ☒ Onboard PCI
Mouse Logitech MouseMan Mouse ☐ COM ☒ PS/2

The following ISA/PCI SCSI cards test HCT Stress under Windows 95/NT with their respective SCSI drivers installed and set to the follow condition 1024 x 768 x 256/16bit colors, resolution refresh rate of 75Hz, small font.

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

8.2.3 Sound Adapter Products

Test Configuration:

OS Ver ☒ **Win 95 Ver:** SR2 2.5
☒ **Win 98 Ver:** 1998
CPU Intel Pentium II 400MHz ☒ **Intel**
Memory Toshiba 64MB (TC59S6408FTL-80H) **Total:** 64 MB ☐ **PC66** ☒ **PC100**
VGA Compro Riva 128 4MB SGRAM ☐ **PCI_Slot:** ☒ **AGP**
HDD Seagate Medialist pro ST-34342A 4.3GB IDE ☐ **PIO4** ☒ **UDMA/33**
Channel: ☒ **PM** ☐ **PS** ☐ **SM** ☐ **SS**
CD-ROM SONY CDU-711 32X IDE **Channel:** ☐ **PM** ☐ **PS** ☒ **SM** ☐ **SS**
Mouse Logitech MouseMan Mouse ☐ **COM** ☒ **PS/2**

The following ISA/PCI sound cards test play WAV/MIDI/CD audio and test HCT 7.6 under Windows 95/98 with their respective sound drivers installed .

Vendor	Model Name	Product Description	Interface
Creative	AWE32 CT-3990	Creative AWE32 ISA PnP Sound Blaster	ISA PnP
	AWE32 CT-3600	Creative AWE32 ISA PnP Sound Blaster	ISA PnP
	AWE64 CT-4380	Creative AWE64 ISA PnP Sound Blaster	ISA PnP
	AWE64 CT-4520	Creative AWE64 ISA PnP Sound Blaster	ISA PnP
	CT-4100	Creative ViBRA16CL PnP SoundBlaster	ISA PnP
	ES1371	Creative ES1371 PCI Sound Card	PCI
	PCI64	Creative ES1370 PCI Sound Card	PCI
Everex	Wave Machine	Crystal CS4332 PnP Sound card	ISA PnP
Formosa	SC-970	ESS 1948F PCI Sound Card	PCI
	SC-972	ENSONIQ ES1370 PCI Sound Card	PCI
	SC-4237	Crystal CX4237B PnP Sound Blaster	ISA PnP
	SC-202	ESS 1869F PnP Sound Blaster	ISA PnP
ESS	ESS-1868	ESS ISA PnP Sound Blaster	ISA PnP
S3	Sonic Vibes	S3 Sonic Vibes PCI Sound Card	PCI

8.2.4 Network Card Products

Test Configuration:

OS Ver ☒ **Novell Netware Ver:** 4.11
☒ **Win NT Server Ver:** 4.0
CPU Intel Pentium II 400MHz ☒ **Intel**
Memory Toshiba 64MB (TC59S6408FTL-80H) **Total:** 64 MB ☐ **PC66** ☒ **PC100**
VGA Compro Riva 128 4MB SGRAM ☐ **PCI_Slot:** ☒ **AGP**
HDD Quantum Fireball ST 6.4AT 6.4GB IDE ☐ **PIO4** ☒ **UDMA/33**
Channel: ☒ **PM** ☐ **PS** ☐ **SM** ☐ **SS**
CD-ROM SONY CDU-711 32X IDE **Channel:** ☐ **PM** ☐ **PS** ☒ **SM** ☐ **SS**
Mouse Logitech MouseMan Mouse ☐ **COM** ☒ **PS/2**

The following ISA/PCI LAN cards test Nwtest under Novell Netware and tset NetBench 5.01 under Windows NT Server with their respective LAN drivers installed .

Vender	Model	Specification	Bus
3COM	3C595	ETHERNET 10/100 MB	PCI
	3C905	ETHERNET 10/100 MB	PCI
	509B	ETHERNET PnP 10MB	ISA
	3C339	PnP Token-Ring	PCI
ACCTON	ACC40P	ETHERNET PnP 10MB	ISA
	EN1203	ETHERNET 10 MB	PCI
	EN1207	ETHERNET 100 MB	PCI
EVRX	EV2064	ETHERNET PnP 10MB	ISA
IBM	92G7632	ISA PnP TOKEN RING	ISA
	EN237	ETHERNET 10MB	PCI
	EN374	ETHERNET 100 MB	PCI
INTEL	PRO10+	ETHERNET 10MB	PCI
	E100B	ETHERNET 100 MB	PCI
OLICOM	OC-2183	ETHERNET 10MB	PCI
	OC-2185	ETHERNET 10MB	PCI
	OC-2325	ETHERNET 100MB	PCI
	OC-3136	TOKEN RING 4/16MB	PCI
	OC-3118	TOKEN RING PnP 4/16MB	ISA
THOMAS	TC4048	TOKEN RING	PCI
D-Link	DE220	ETHERNET 10MB	ISA
	EZ2000P	ETHERNET 10MB	ISA
SMC	SMC8000	ETHERNET PnP 10MB	ISA
	SMC9332	ETHERNET 100MB	PCI

8.2.5 FAX / Modem Products

Test Configuration:

OS Ver ☒ Win 98 Ver: 1998 .

CPU Intel Pentium II 400MHz

Memory Toshiba 64MB (TC59S6408FTL-80H)

VGA Compro Riva 128 4MB SGRAM

HDD Fujitsu MPA3043AT 4.3GB IDE

CD-ROM Hitachi CDR-8430 32X IDE

Sound ESS Solo-1

Mouse Logitech MouseMan Mouse

☒ Intel

Total: 64 MB ☐ PC66 ☒ PC100

☐ PCI_Slot: . ☒ AGP

☐ PIO4 ☒ UDMA/33

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

Channel: ☐ PM ☐ PS ☒ SM ☐ SS

☐ ISA_Slot: . ☒ Onboard PCI

☐ COM ☒ PS/2

The following External modem test includes connecting to the internet and download files under under Windows 98 with their respective modem drivers installed .



Vendor	Product Description	Bus I/F
ADI	CommuPack 56K SVD	External
USR	Sportster 56K Faxmodem	External
Motorola	VoiceSURFR 56K	External
GVC	56K/K56 FLEX ASVD	External
RockModem	56K (FIC)	External

8.3 Storage

8.3.1 SCSI Peripheral Products

Test Configuration:

OS Ver ☒ Win 95 Ver: SR2 2.5

☒ Win NT Ver: 4.0

CPU Intel Pentium II 450MHz

☒ Intel

Memory LGS 64MB (GN72V661641CT7J)

Total: 64 MB ☐ PC66 ☒ PC100

VGA ATI Rage pro 4MB SGRAM

☐ PCI_Slot: ☒ AGP

SCSI AHA -2940UW Ultra Wide

☐ ISA ☒ PCI_Solt: 2

Mouse Logitech First Mouse+ Mouse

☐ COM ☒ PS/2

The following SCSI devices test HCT Stress and WinStone 98 under Windows 95/NT with their respective SCSI drivers installed and set to the follow condition 1024 x 768 x 256/16bit colors, resolution refresh rate of 75Hz, small font.

ITEM	Vendor	Model Name	Product Description
SCSI Hard Disk	Quantum	LPS-525S	525MB SCSI Hard Disk Drive
		TM2110S	2.1GB SCSI Hard Disk Drive
		Fireball SE	2.1GB Ultra SCSI HDD
		Atlas II	4.5GB Ultra SCSI HDD
	Seagate	ST-32550W	2GB Wide SCSI Hard Disk Drive
		ST-32171N	2.1GB Ultra SCSI Hard Disk Drive
		ST-15230N	4.29GB SCSI-II Hard Disk Drive
		ST-34555N	4.5GB Ultra SCSI HDD
		ST-32272W	2.2GB Ultra Wide SCSI HDD
	IBM	DCAS34330	4.5GB Ultra SCSI HDD
		DCAS34330	4.5GB Ultra Wide SCSI HDD
CD-ROM	WD	WDE2170	4.3GB Ultra Wide SCSI HDD
	Plextor	PX-32Tsi	Ultra SCSI CD-ROM 32X
	Panasonic	CR-508	SCSI-II CD-ROM 24X
	NEC	CDR-1910	Ultra SCSI CD-ROM 32X
	SONY	CDU-625	SCSI-II CD-ROM 24X
	TEAC	CD-523S	Ultra SCSI CD-ROM 32X
	Toshiba	XM-6210B	Ultra SCSI CD-ROM 32X
Iomega	Pioneer	DR-533	24X Narrow SCSI II CD-ROM
	Ditto	IO80Fi	Ditto Driver 800 Tape Insider
		IO80-PX3	Ditto Easy 800 External Tape Driver
	Zip	Z100i	Zip 100 SCSI Insider
		Z100S	Zip 100 SCSI

8.3.2 IDE Fixed Disk Drive Products

Test Configuration:

OS Ver ☒ Win 95 Ver: SR2 2.5 .
☒ Win NT Ver: 4.0 .
CPU Intel Pentium II 400MHz ☒ Intel
Memory Mitsubishi 32MB (M5M4V16S30DTP) **Total: 64 MB** ☐ PC66 ☒ PC100
CD-ROM Panasonic CDR-587D 32X IDE **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS
VGA 3Dlabs Permedia II 4MB SGRAM ☐ PCI_Slot: ____ ☒ AGP
Mouse Logitech First Mouse+ Mouse ☐ COM ☒ PS/2

The following IDE devices test HCT Stress and WinStone 98 under Windows 95/NT with VIA IDE Bus Master drivers installed and set to the follow condition 1024 x 768 x 256/16bit colors, resolution refresh rate of 75Hz, small font.

Vendor	Model Name	Mode	Capacity
Fujitsu	M1623TAU	PIO4 / DMA2	1.7GB
	MPA3043AT	Ultra DMA 33	4.3GB
	MPA3052AT	Ultra DMA 33	5.2GB
	MPB3032AT	Ultra DMA 33	3.2GB
IBM	DHEA-36480	Ultra DMA 33	6.4 GB
Maxtor	Diamond 86480D6	Ultra DMA 33	6.4GB
Quantum	Fireball ST 6.4AT	Ultra DMA 33	6.4GB
	Bigfoot TX 4300A	Ultra DMA 33	4.0GB
	Bigfoot TX 12000A	Ultra DMA 33	12.0GB
Seagate	Medialist pro ST-34342A	Ultra DMA 33	4.3GB
	Medialist pro ST-36451A	Ultra DMA 33	6.4GB
SamSung	Spinpoint WU33205A	Ultra DMA 33	3.2GB
	Spinpoint VG34323A	Ultra DMA 33	4.3GB

8.3.3 Floppy Disk Drive Products

Test Configuration:

OS Ver ☒ Win 98 Ver: 1998 .
☒ Win NT Ver: 4.0 .
CPU Intel Pentium II 400MHz ☒ Intel
Memory Toshiba 64MB (TC59S6408FTL-80H) **Total: 64 MB** ☐ PC66 ☒ PC100
VGA SiS 6326 Daytona 3D 4MB SGRAM ☐ PCI_Slot: ____ ☒ AGP
HDD Quantum Bigfoot TX 4300A 4.3GB IDE ☐ PIO4 ☒ UDMA/33
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
CD-ROM Pioneer DR-502S 24X IDE **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS
Sound ESS Solo-1 ☐ ISA_Slot: ____ ☒ Onboard PCI
Mouse Logitech MouseMan Mouse ☐ COM ☒ PS/2

The following Floppy devices were tested by format disk, boot and read/write file under Windows 98/NT with VIA IDE Bus Master drivers installed.

Vendor	Model Name	Product Description
Mitsumi	D359T3	1.44MB Floppy Disk Drive
Panasonic	JU-257	1.44 MB Floppy Disk Drive
TEAC	FD-235HG	1.44 MB Floppy Disk Drive

8.3.4 ATAPI CD-ROM Device Product

Test Configuration:

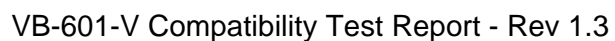
OS Ver ☒ Win 95 Ver: SR2 2.5
☒ Win 98 Ver: 1998
CPU Intel Pentium II 400MHz ☒ Intel
Memory Mitsubishi 32MB (M5M4V16S30DTP) **Total: 64 MB** ☐ PC66 ☒ PC100
HDD Quantum Fireball ST 6.4AT 6.4GB IDE ☐ PIO4 ☒ UDMA/33
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
VGA Compro Riva 128 Best 3D 4MB SGRAM ☐ PCI_Slot: ☒ AGP
Sound ESS Solo-1 ☐ ISA_Slot: ☒ Onboard PCI
Mouse Logitech First Mouse+ Mouse ☐ COM ☒ PS/2

The following IDE devices test HCT Stress and play VCD over night under Windows 95/98 with VIA IDE Bus Master drivers installed and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 75Hz, small font.

Vendor	Model Name	Product Description
Panasonic	CR-587-D	ATAPI CD-ROM 32X Mode4
Mitsumi	CRMC-FX162T4	ATAPI CD-ROM 16X
	CRMC-FX320S	ATAPI CD-ROM 32X Mode4
NEC	CDR-1900A	ATAPI CD-ROM 32X Mode4
Philips	PCA323CD	ATAPI CD-ROM 32X UDMA2
TEAC	CD-532EA	ATAPI CD-ROM 32X Mode3
Pioneer	DR-502S	ATAPI CD-ROM 24X Mode4
SONY	CDU-611	ATAPI CD-ROM 24X Mode4
	CDU-711	ATAPI CD-ROM 32X UDMA2
Hitachi	CDR-8430	ATAPI CD-ROM 32X MODE4

8.3.5 ATAPI Disk Drive (IDE Interface)

Test Configuration:



COM ☒ **PS/2**

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8.4 Peripherals

8.4.1 Parallel/Serial Port Products

Test Configuration:

OS Ver ☒ Win 95 Ver: SR2 2.5 .
☒ Win 98 Ver: 1998 .
CPU Intel Pentium II 400MHz ☒ Intel
Memory Mitsubishi 32MB (M5M4V16S30DTP) **Total:** 64 MB ☐ PC66 ☒ PC100
HDD Quantum Fireball ST 6.4AT 6.4GB IDE ☐ PIO4 ☒ UDMA/33
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
CD-ROM NEC CDR-1900A 32X IDE Channel: ☐ PM ☐ PS ☒ SM ☐ SS
VGA 3Dlabs Permedia II 4MB SGRAM ☐ PCI_Slot: ____ ☒ AGP
Sound ESS Solo-1 ☐ ISA_Slot: ____ ☒ Onboard PCI
Mouse Logitech TrackMan Marble Mouse ☐ COM ☒ PS/2

The following Parallel/Serial devices be tested under Windows 95/98 with VIA IDE Bus Master drivers installed.

Vendor	Model Name	Product Description	Bus I/F
HP	LaserJet III	HP LaserJet III	LPT
	LaserJet 6P	HP LaserJet 6P support IR Interface	LPT
D-Link	DE-EPP	D-Link EPP Pocket LAN	LPT
Up-select		External EPP SCSI BOX	LPT
Road Runner	Express T305	External Parallel Port Tape Backup	LPT
	Express FD144	External Parallel Port Floppy Drive	LPT
	Express CD-4X	External Parallel Port CD-ROM Driver	LPT
	Express XD	External Parallel Port Hard Driver	LPT
Actisys	ACT-IR210L	InfraRed Computer Link	COM
Kodak	DC210	InfraRed/Serial port Digital camera	COM
Zip	ZIP100	Iomega ZIP 100 Parallel port	LPT

8.4.2 Mouse Products

Test Configuration:

OS Ver ☒ Win 95 Ver: SR2 2.5 .
☒ Win 98 Ver: 1998 .
CPU Intel Pentium II 400MHz ☒ Intel
Memory Mitsubishi 32MB (M5M4V16S30DTP) **Total:** 64 MB ☐ PC66 ☒ PC100
HDD Quantum Fireball ST 6.4AT 6.4GB IDE ☐ PIO4 ☒ UDMA/33
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
CD-ROM NEC CDR-1900A 32X IDE Channel: ☐ PM ☐ PS ☒ SM ☐ SS
VGA 3Dlabs Permedia II 4MB SGRAM ☐ PCI_Slot: ____ ☒ AGP
Sound ESS Solo-1 ☐ ISA_Slot: ____ ☒ Onboard PCI

The following Mouse devices test Office 97 and Game under Windows 95/98 with Mouse drivers installed.

Vendor	Model Name	Product Description	Bus I/F
Microsoft	Microsoft Mouse	Microsoft IntelliMouse Serial - PS/2 Mouse	Serial/ PS2
Logitech	MouseMan	Logitech MouseMan Serial - PS/2 Mouse	Serial/ PS2
	First Mouse+	Logitech First Mouse+ Serial - PS/2 Mouse	Serial/ PS2
	TrackMan Marble	Logitech TrackMan Marble Serial - PS/2 Mouse	Serial/ PS2
Qtronix	Lynx-25P	PS/2 Compatible Mouse	PS/2
	Lynx-25S	Serial Mouse	Serial
Actisys	ACT-IR220-L	InfraRed Computer Link	Serial

8.4.3 USB Device Products

Test Configuration:

OS Ver ☒ Win 98 Ver: 1998
CPU Intel Pentium II 400MHz ☒ Intel
Memory Mitsubishi 32MB (M5M4V16S30DTP) **Total:** 64 MB ☐ PC66 ☒ PC100
HDD Seagate Medialist pro ST-34342A 4.3GB IDE ☐ PIO4 ☒ UDMA/33
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
CD-ROM TEAC CD-532EA 32X IDE **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS
VGA ATI Rage pro 4MB SGRAM **☐ PCI_Slot:** ☒ AGP
Sound ESS Solo-1 **☐ ISA_Slot:** ☒ Onboard PCI
Mouse Microsoft IntelliMouse Mouse **☐ COM** ☒ PS/2

The following USB devices be tested under Windows 98 with Win 98 default driver installed.

Type	Vendor	Parts No	Description
Mouse	Logitech	M-UA35	USB Mouse
	DEXIN	MA2R	USB Mouse
	Cypress		USB Mouse
HUB	Belkin	Express Bus F5U001	USB HUB
Camera		PC Camera U-CAM	USB Camera
Faxmodem	USRobotics	56K Voice Faxmodem	USB Faxmodem
Keyboard	Silitek		USB Keyboard
	Chicony	KU-8933	USB Keyboard
Joystick	Paramount		USB Joystick

8.4.4 Joystick & Game Pad

Test Configuration:

OS Ver ☒ Win 98 Ver: 1998
CPU Intel Pentium II 450MHz ☒ Intel
Memory Mitsubishi 32MB (M5M4V16S30DTP) **Total: 64 MB** ☐ PC66 ☒ PC100
HDD Seagate Medialist pro ST-34342A 4.3GB IDE ☐ PIO4 ☒ UDMA/33
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
CD-ROM TEAC CD-532EA 32X IDE **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS
VGA ATI Rage pro 4MB SGRAM **☐ PCI_Slot:** ☒ AGP
Sound ESS Solo-1 **☐ ISA_Slot:** ☒ Onboard PCI
Mouse Microsoft IntelliMouse Mouse **☐ COM** ☒ PS/2

The following Joystick & Game Pad devices test Game under Windows 98 with themselves default driver installed.

Vendor	Product Description
Microsoft	SideWinder 3D Pro joystick
	SideWinder force feedback pro joystick
Gravis	Game Pad Pro
Logitech	Wing Man Extreme digital joystick
	CyberMan 2 Game Pad
PHAZER PAD	Advanced Digital Gamepad for DOS & Windows 95

8.5 Power Supply Products

The following Power Supply devices test power On/Off 10 times in the Chamber .

Vendor	Model Name	Product Description
HIPRO	HP-200NLXAG	200W ATX Remote Power Supply
	HP-200NLXAA	200W ATX Remote Power Supply
	HP-200ATXAG	200W ATX Remote Power Supply
Leadman	LP-6100ATX	250W ATX Remote Power Supply
Sea Sonic	SSG-200GTX	200W ATX Remote Power Supply
Tiger	TG-2006-B	200W ATX Remote Power Supply
	TG-2007-B	200W ATX Remote Power Supply
YHI	YS-6200DJ	200W ATX Remote Power Supply

8.6 DVD DEVICE Products

Test Configuration:

CPU	Intel Pentium II 400MHz	<input checked="" type="checkbox"/> Intel
Memory	Mitsubishi 32MB (M5M4V16S30DTP)	Total: 64 MB <input type="checkbox"/> PC66 <input checked="" type="checkbox"/> PC100
HDD	IBM DHEA-36480 6.4GB	<input type="checkbox"/> PIO4 <input checked="" type="checkbox"/> UDMA/33
		Channel: <input checked="" type="checkbox"/> PM <input type="checkbox"/> PS <input type="checkbox"/> SM <input type="checkbox"/> SS
VGA	ATI Rage pro 4MB SGRAM	<input type="checkbox"/> PCI_Slot:____. <input checked="" type="checkbox"/> AGP
Mouse	Microsoft IntelliMouse Mouse	<input type="checkbox"/> COM <input checked="" type="checkbox"/> PS/2

The following DVD Kit play DVD over night under Windows 95/98 with their respective DVD drivers installed and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 75Hz, small font.

Vendor	Model Name	Product Description	Interface
Creative	MK5000	Creative PC-DVD Kit Include MATSUSHITA SR-8581-B DVD-ROM and LK-MAEP391A1 MPEG-2/Dolby Digital Decoder Board	PCI
Toshiba	Toshiba DVD	Toshiba PC-DVD Kit Include Toshiba SD-M1002 DVD-ROM and CINEMASTER MPEG-2/Dolby Digital DVD Board	PCI

9. Software Compatibility Test Suite

9.1 Base Operating System

9.1.1 Microsoft MS-DOS/Win 3.1:

Test Configuration:

CPU Intel Pentium II 333/400MHz ☒Intel
Memory Mitsubishi 32MB (M5M4V16S30DTP) **Total: 64 MB** ☐PC66 ☒PC100
HDD Quantum Fireball ST 6.4AT 6.4GB IDE ☐PIO4 ☒UDMA/33
Channel: ☒PM ☐PS ☐SM ☐SS
VGA 3Dlabs Permedia II 4MB SGRAM ☐PCI_Slot:____ ☒AGP
Sound ESS Solo-1 ☐ISA_Slot:____ ☒Onboard PCI
CD-ROM SONY CDU-711 32X IDE **Channel:** ☐PM ☐PS ☒SM ☐SS
Mouse Logitech TrackMan Marble Mouse ☐COM ☒PS/2

Test Item	Result	Remark
FDISK (FAT16)	PASS	
Install DOS	PASS	
Format FDD	PASS	
Format HDD	PASS	
Boot from FDD	PASS	
Boot from HDD	PASS	
HIMEM	PASS	
EMM386	PASS	
XCOPY	PASS	
Diskcopy	PASS	
Power.exe	PASS	
USB Keyboard working (Only)	PASS	
Install Windows 3.1	PASS	
Qaplan 5.52 for DOS	PASS	
Check It 5.01 for DOS	PASS	
Norton Utility 8.0 for DOS/Win 3.1 (Sysinfo)	PASS	
AMIDdiag 5.50	PASS	
Speedcom	PASS	
Speedy for Win 3.1	PASS	
ICU 1.43 test	PASS	
Year 2000 tools test	PASS	
PM function (H/W & BIOS)	PASS	
LS-120/ZIP install & working	PASS	
GAME play (name: Mech Warrior 2 Mercenaries)	PASS	

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 Power Management and Remote functions are also tested.

Operating System	Version	Language	Company	Status
MS DOS	6.22	English	Microsoft	Pass
Windows for Workgroups	3.11	English	Microsoft	Pass

9.1.2 Microsoft Windows 95/98:

Test Configuration:

CPU Intel Pentium II 333/450MHz

☒Intel

Memory Fujitsu 64MB (81F64842B-103FN)

Total: 64 MB ☐PC66 ☒PC100

HDD Maxtor Diamond 86480D6 6.4GB IDE

☐PIO4 ☒UDMA/33

Channel: ☒PM ☐PS ☐SM ☐SS

VGA 3Dlabs Permedia II 4MB SGRAM

☐PCI_Slot:____. ☒AGP

Sound ESS Solo-1

☐ISA_Slot:____. ☒Onboard PCI

CD-ROM Pioneer DR-502S 24X IDE

Channel: ☐PM ☐PS ☒SM ☐SS

Mouse Microsoft IntelliMouse Mouse

☐COM ☒PS/2

Test Item	Result	Remark
FDISK (FAT32)	PASS	
Install Win 98	PASS	
Format FDD	PASS	
Diskcopy	PASS	
Large file Copy	PASS	
USB device test	PASS	
VIA Miniport driver	PASS	
AGP Vxd install (VIA)	PASS	
Trend Anti-Virus Install & Test	PASS	
LDCM Install & Test (LDCM Ver: <u>3.30</u>)	PASS	
Device Management check (No Caution)	PASS	
Sound/VGA/LAN IRQ change (PnP function)	PASS	
VGA Resolution/Color change	PASS	
Install Office 97	PASS	
Auto Shutdown (system power off)	PASS	
Defrag test	PASS	
LS-120/ZIP install & working	PASS	
Qaplus 7.1 for Win 98	PASS	
Year 2000 test	PASS	
DVD Video CD play (name: <u>BATMAN & ROBIN</u>)	PASS	
Video CD play (name: <u>TOP GUN</u>)	PASS	
ACPI test (HCT 7.6/8.0)	PASS	
Drive Converter (FAT32)	PASS	
PM function by WIN98 (H/W)	PASS	
GAME play (name: <u>TOMB RAIDER II</u>)	PASS	
WinStone 98	PASS	
WinBench 98	PASS	
3D Winbench 98	PASS	

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 Power Management and Remote functions are also tested.

Operating System	Version	Language	Company	Status
MS DOS	6.22	English	Microsoft	Pass
Windows for Workgroups	3.11	English	Microsoft	Pass
MS Windows 95 OSR2.5	950C	English	Microsoft	Pass
	4.0a	Japanese	Microsoft	Pass
	950C	German	Microsoft	Pass
	950C	French	Microsoft	Pass
	950C	Chinese	Microsoft	Pass
MS Windows 98	1998	English	Microsoft	Pass
MS Windows 98 OEM	1998	German	Microsoft	Pass
	1998	Japanese	Microsoft	Pass
	1998	French	Microsoft	Pass
	1998	Chinese(trad)	Microsoft	Pass
	1998	Chinese(simp)	Microsoft	Pass

9.1.3 Microsoft Windows NT 4.0:

Test Configuration:

CPU Intel Pentium II 333/450MHz
Memory SEC 32MB (KM48S8030BT-GH)
HDD Maxtor Diamond 86480D6 6.4GB IDE
VGA ATI Rage pro 4MB SGRAM
Sound ESS Solo-1
CD-ROM Mitsumi CRMC-FX320S 32X IDE
Mouse Logitech Mouse+ Mouse

☒Intel
Total: 64 MB ☐PC66 ☒PC100
☐PIO4 ☒UDMA/33
Channel: ☒PM ☐PS ☐SM ☐SS
☐PCI_Slot:____. ☒AGP
☐ISA_Slot:____. ☒Onboard PCI
Channel: ☐PM ☐PS ☒SM ☐SS
☐COM ☒PS/2

Test Item	Result	Remark
Install Win NT (NTFS/FAT)	PASS	
Format FDD	PASS	
Diskcopy	PASS	
IDE Bus Master install	PASS	
VGA Resolution/Color change	PASS	
Shutdown	PASS	
Shutdown & Restart	PASS	
LS-120/ZIP install & working	PASS	
Year 2000 test	PASS	
WinStone 98	PASS	
WinBench 98	PASS	
BAPCO for Win NT 4.0 (SYSmark32)	PASS	
HCT 7.6 Stress test	PASS	
PM function (H/W & BIOS)	PASS	

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 Power Management and Remote functions are also tested.

Operating System	Version	Language	Company	Status
Windows NT Advance Server	3.51	English	Microsoft	Pass
Windows NT Workstation	3.51	English	Microsoft	Pass
Windows NT Workstation	4.0	English	Microsoft	Pass
	4.0	Japanese	Microsoft	Pass
	4.0	German	Microsoft	Pass
	4.0	French	Microsoft	Pass
	4.0	Chinese	Microsoft	Pass
Windows NT Server	4.0	English	Microsoft	Pass
	4.0	Japanese	Microsoft	Pass
	4.0	Chinese	Microsoft	Pass

9.1.4 IBM OS/2 3.0/4.0:

Test Configuration:

CPU Intel Pentium II 333/450MHz ☒Intel
Memory Toshiba 64MB (TC59S6408FTL-80H) **Total: 64 MB** ☐PC66 ☒PC100
HDD Samsung Spinpoint VG34323A 4.3GB IDE ☐PIO4 ☒UDMA/33
Channel: ☒PM ☐PS ☐SM ☐SS
VGA ATI Rage pro 4MB SGRAM ☐PCI_Slot:____ ☒AGP
Sound ESS Solo-1 ☐ISA_Slot:____ ☒Onboard PCI
CD-ROM Philips PCA323CD 32X IDE **Channel:** ☐PM ☐PS ☒SM ☐SS
Mouse Logitech Mouse+ Mouse ☐COM ☒PS/2

Test Item	Result	Remark
Install OS/2 (HPFS)	PASS	
Format FDD	PASS	
XCopy	PASS	
Diskcopy	PASS	
VGA Resolution/Color change	PASS	
DOS Windows	PASS	
OS/2 Windows	PASS	
Boot from A: feature ready	PASS	
Stress test	PASS	
PM function (H/W & BIOS)	PASS	

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 Power Management and Remote functions are also tested.



Operating System	Version	Language	Company	Status
IBM OS/2 Warp	4.0	English	IBM	Pass
	3.0	English	IBM	Pass

9.2 Software Applications

Item	Descriptions	Version	O.S.	Language	Status
Suites	Lotus SMART Suites 96	1.0	Windows 95	English	Pass
	MS Work for Windows	3.0	Windows	English	Pass
	MS Work for Windows95	4.0	Windows 95	English	Pass
	MS Office for Windows	4.3	Windows	English	Pass
	MS Office for Windows	4.3	Windows	Chinese	Pass
	MS Office 97 for Windows95	7.0	Windows 95	English	Pass
WordProcessor	AMI Pro for Windows	3.1	Windows	English	Pass
	Word Pro for Windows96		Windows	Chinese	Pass
	MS Word for Windows	6.0	Windows	English	Pass
	MS Word for Windows	6.0	Windows	Chinese	Pass
	Word Prefect for Windows	6.0	Windows	English	Pass
	WordPerfect	6.0	Windows	English	Pass
	MS Office 97	7.0	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
	WinFAX Pro for Win 95	4.0	Windows 95	English	Pass
	LapLink	7.0A	Windows 95	English	Pass
	Norton Anywhere	1.0	Windows	English	Pass
CAD	3D Disign Plus	2.0	Windows	English	Pass
	AutoCAD	R13	Windows 95	English	Pass
	3D Studio	4.0	DOS	English	Pass
	Micro Station	5.0	Windows	English	Pass
Database	Approach 96	1.0	Windows 95	English	Pass
	Lotus Notes	4.0	Windows 95	English	Pass
	Borland Visual Dbase	5.5	Windows 95	English	Pass
	Visual Foxpro	3.0A	Windows 95	English	Pass
	Visual dBASE Compiler	5.5	Windows 95	English	Pass
	DBASE IV	2.0	DOS	English	Pass
	FoxBase Microsoft	2.1	Windows	English	Pass
	FoxPro Microsoft	2.6	Windows	English	Pass
Graphics	Corel Draw	6.0	Windows 95	English	Pass
	Fractul Design Painter	4.0	Windows 95	English	Pass
	Windows Draw	3.0	Windows	English	Pass
	MS PowerPoint	4.0	Windows	English	Pass
	Pagemaker	6.5	Windows 95	English	Pass
Presentation	Visio HOME	4.0	Windows 95	English	Pass
	Photo Shop Pro	3.05	Windows 95	English	Pass
	MS PowerPoint	7.0	Windows 95	English	Pass



Program	MS Visual Basic	4.0	Windows 95	English	Pass
	MS Visual C++	4.0	Windows 95	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	4.0	Windows NT	English	Pass
	Bapco95 for Win 95	1.0	Windows 95	English	Pass
	PC Magazine Winstone 98	1.0	Windows 95	English	Pass
	Speed for Win95	3.0	Windows	English	Pass
	QAPLus	5.52	DOS	English	Pass
	QAPLus	7.01	Windows 95	English	Pass
	Landmark(Speedcom)	2.0	DOS	English	Pass
	Check IT Pro	5.01	Windows 95/98	English	Pass
	Intel LANDesk Client Manager	3.0	Win95/Win NT	English	Pass
Tools	AfterDark for Win95	3.0	Windows 95	English	Pass
	Xing Soft MPEG Player	3.2	Windows 95	English	Pass
	Norton Commander	5.0	DOS	English	Pass
	Norton Desktop	3.0	Windows	English	Pass
	Norton Utility	2.0	Windows 95	English	Pass
	Microsoft Plus!	1.0	Windows 95	English	Pass
	QEMM386	8.00	Windows 95	English	Pass
TimeManagement	MS Project	4.1	Windows 95	English	Pass
	Organizer	2.1T	Windows	Chinese	Pass
Scan	PC-cillin 97	3.0	Windows 95	English	Pass
	PC-cillin 98	4.021	Windows 95/98	English	Pass
	Norton Antivirus	2.0	Windows 95	English	Pass
Internet	Winsock	1.0	Windows 95	English	Pass
	Netscape	3.01	Windows 95	English	Pass
	Internet Explore	4.0	Windows 95	English	Pass
CD Title Game	3D Ultra Pin Ball	1.0	Windows 95	English	Pass
	Duke Nukem 3D	1.0	DOS	English	Pass
	Toy Story	1.0	Windows	English	Pass
	Mech Warrior2	1.0	Windows 95	English	Pass
	AH-64D longbow	1.0	DOS	English	Pass
	NFL Football Trivia Challenge	1.0	DOS	English	Pass
	Wing Commander III	4.0	DOS	English	Pass
	MYST	1.0	Windows 95	English	Pass
	Indy Car II Racing	1.0	DOS	English	Pass
	International Tennis Open	1.0	DOS	English	Pass
	Escape from Cyber City	1.0	DOS	English	Pass
	HAVOC	1.0	Window 95	English	Pass
	Flight Unlimited	1.0	DOS (CD)	Chinese	Pass
	Poker Cowboy Casino MPEG Version	1.0	Window 95	English	Pass
	MDK (Exclusive North American Version)	1.0	Window 95	English	Pass
	Master of Orion II Battle at Antares	1.0	Window 95	English	Pass



	The Lion King	1.0	Window 95	English	Pass
	DIABLO BLIZZARD (CD)		Win95 / NT4.0	English	Pass
	WARCRAFT II TIDES OF DARKNESS		DOS/WIN95	English	Pass
	DOOM II	1.0	Window 95	English	Pass
	Command & Conquer Red Alert			English	Pass
	Command & Conquer			English	Pass
	Broken & Word			English	Pass
	War Wind		WIN95	English	Pass
	Magic 2 Carpet			English	Pass
	YAMARAJA		Window 95	English	Pass
	TOMB RAIDER II		Window 95	English	Pass
	Lands of Lore II		Window 95	English	Pass
	The Magic School Bus			English	Pass
	Flight Simulator 98		Window 95	English	Pass
	Dagger fall		Window 95	English	Pass
	Sky NET		Window 95	English	Pass
	THE NEED FOR SPEED SE			English	Pass
	Quake II		Window 95	English	Pass
	Test Drive 4		Window 95	English	Pass
	AGE of EMPIRES		Window 95	English	Pass
	Mech Warrior 2 Mercenaries			English	Pass
	Blood & Magic			English	Pass
	Wing Commander III		DOS/WIN95	English	Pass
	Wing Commander IV		Window 95	English	Pass
	Descent II			English	Pass
CD Title Multimedia	Cinderella		Windows	English	Pass
	LivingBook GrandMa&Me		Windows	English	Pass
	Top Gun		Windows	English	Pass
	Multimedia SuperPack		Windows	English	Pass
	Compton's Interactive Encyclopedia		Windows	English	Pass
	Adams Family		Windows	English	Pass
	Blank Rain		Windows	English	Pass