

FIC FA15T PCI/AGP SYSTEM BOARD BOARD LEVEL COMPATIBILITY TEST REPORT

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Supervisor	Tester

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Revision History



Document Release	Date	Change Item	ECN
Revision 1.00	7/17/2001	Initial Release.	
Revision 1.01	8/21/2001	Add support Intel Pentium III 1.1GHz(FSB 100MHz) CPU Add support Intel Celeron 950MHz/1.1GHz (FSB 100MHz) CPU	
Revision 1.02	9/13/2001	Update BIOS version to VBD42 Add support Intel Celeron 1.2GHz (FSB 100MHz) CPU.(1.75V)	M01304-E-012
Revision 1.03	10/03/2001	Add support VIA C3 733/750MHz(Samuel 2) and 800MHz(Ezra) CPU.	
Revision 1.04	10/23/2001	Add support Intel Pentium III 1.0GHz(FSB 100) and Pentium III 1.26GHz(FSB 133) and Celeron 1.0GHz. Add support Microsoft Win XP/Home Edition	

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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 : FA15T PCB Rev 1.2
Product Name : VIA Apollo Pro133T Based Mainboard
System BIOS : Award BIOS Version VBD42
PCI IDE : Internal PCI Mastre dual IDE
I/O : VIA VT686B

3. Mainboard CPU Supports:

Intel :

Intel Processors	Bus	Package	Status	Remark
Celeron 533MHz	66	FC-PGA	Pass	C-Step
Celeron 566MHz	66	FC-PGA	Pass	C-Step
Celeron 600MHz	66	FC-PGA	Pass	C-Step
Celeron 633MHz	66	FC-PGA	Pass	C-Step
Celeron 667MHz	66	FC-PGA	Pass	C-Step
Celeron 700MHz	66	FC-PGA	Pass	C-Step
Celeron 766MHz	66	FC-PGA	Pass	C/D-Step
Celeron 800MHz	100	FC-PGA	Pass	C-Step
Celeron 850MHz	100	FC-PGA	Pass	C/D-Step
Celeron 900MHz	100	FC-PGA	Pass	C/D-Step
Celeron 950MHz	100	FC-PGA	Pass	D-Step
Celeron 1GHz	100	FC-PGA	Pass	D-Step
Celeron 1.1GHz	100	FC-PGA	Pass	D-Step
Celeron 1.2GHz	100	FC-PGA	Pass	D-Step
Pentium III 500MHz (Coppermine)	100	FC-PGA	Pass	C-Step
Pentium III 533MHz (Coppermine)	133	FC-PGA	Pass	C-Step
Pentium III 550MHz (Coppermine)	100	FC-PGA	Pass	C-Step
Pentium III 600MHz (Coppermine)	100	FC-PGA	Pass	C-Step
Pentium III 600MHz (Coppermine)	133	FC-PGA	Pass	C-Step
Pentium III 667MHz (Coppermine)	133	FC-PGA	Pass	C-Step
Pentium III 700MHz (Coppermine)	100	FC-PGA	Pass	C-Step
Pentium III 733MHz (Coppermine)	133	FC-PGA	Pass	C-Step
Pentium III 750MHz (Coppermine)	100	FC-PGA	Pass	C-Step
Pentium III 800MHz (Coppermine)	133	FC-PGA	Pass	C-Step
Pentium III 850MHz (Coppermine)	100	FC-PGA	Pass	C/D-Step
Pentium III 866MHz (Coppermine)	133	FC-PGA	Pass	C-Step
Pentium III 933MHz (Coppermine)	133	FC-PGA	Pass	C-Step
Pentium III 1GHz (Coppermine)	100/133	FC-PGA	Pass	C/D-Step
Pentium III 1.1GHz (Coppermine)	100	FC-PGA	Pass	D-Step
Pentium III 1.13GHz (Coppermine)	133	FC-PGA	Pass	D-Step
Pentium III 1GHz (Tualatin)	133	FC-PGA	Pass	
Pentium III 1.13GHz (Tualatin)	133	FC-PGA	Pass	
Pentium III 1.2GHz (Tualatin)	133	FC-PGA	Pass	
Pentium III 1.26GHz (Tualatin)	133	FC-PGA	Pass	

VIA C3 :

Processors	Bus	Package	Status
VIA C3 667MHz (Samuel 2)	133	FPGA	Pass

VIA C3 700MHz (Samuel 2)	100	FPGA	Pass
VIA C3 733MHz (Samuel 2)	133	FPGA	Pass
VIA C3 750MHz (Samuel 2)	100	FPGA	Pass
VIA C3 800MHz (Ezra)	133	FPGA	Pass

4. System Specification for Hardware and Software Utilities

The mainboard hardware portion was configured as follows :

Item	Description
System Core Logic	VIA Apollo Pro 133T (694T_B+686B_C)
System Cache	128K/256K Pipeline Burst SRAM Built-in CPU
System Memory	Maximum : 1.5GMB SDRAM 168 pins single RAS and Double RAS DIMM RAM Module
System Slots	1 AGP and 5 PCI and 1 CNR slots
Audio	OnChip VIA VT686B AC'97 Audio on board
LPC	VIA VT686B Support Normal,EPP,ECP mode and IR interface

4.1 Main Functionality :

Num.	M/B function	Result
1	ACPI Ready (under Win 98 SE/ME/Win 2000)	PASS
2	APM 1.2	PASS
3	Wake On LAN	PASS
4	RTC Alarm Function	PASS
5	H/W Monitoring (+/-12V,+/-5V,Vccp,+5VR)	PASS
6	Ultra ATA-33/66/100 Enhanced IDE Interface	PASS
7	NOVUS II	Logo Genie
		BIOS Easy Kit
		BIOS Flash Protect (Guardian feature)
8	CNR Function	PASS
9	Front/Rear USB Function	PASS
10	Front Audio Function	PASS
11	Power Failure feature	PASS
12	Year 2000 Compliance	PASS

4.2 Main Software Utilities :

Num.	M/B function	Version	Result
1	VIA IDE Bus Master for Win 98 SE/ME/2000	3.01.1	PASS
2	VIA IDE Bus Master for Win NT	3.01.1	PASS
3	VIA AGP VxD Utilities for Win 95/98	4.05	PASS
4	VIA INF Driver	1.20	PASS
5	VIA IRQ Routing Miniport driver	1.30	PASS
6	Onboard VIA VT686B Audio driver for Win 9x/ME	1.20a	PASS
7	Onboard VIA VT686B Audio driver for Win NT	1.20a	PASS
8	Award BIOS Flash ROM Utilities	8.02a	PASS

5. Jumper Function Verification

Description	Jumper Name	Default Option	Status
Speaker Connector	SPK	Open	Pass
Power LED (Single color)	PW_LED	Open	Pass
Power LED (Dual color)	LED_G/LED_Y	Open	Pass
IDE LED Connector	HD_LED	Open	Pass
Reset Switch	RST	Open	Pass
Remote Power Switch	PW_SW	Open	Pass



Sleep Switch	SP_SW	Open	Pass
CPU FAN Connector	CPU_FAN	Open	Pass
Chassis FAN Connector	DHS_FAN	Open	Pass
System Bus Clock	FS2/FS3	1-2/1-2	Pass
CPU Clock Rate	SW1-1~4	On,On,Off,Off	Pass
Auto Detect Core Voltage Setting	ADV_EN	1-2	Pass
CPU Core Voltage Setting	ADV	On-off-off-off	Pass
Clear CMOS	Sw1-5	Off	Pass
Clear Password	Sw1-6	Off	Pass
LAN Wake Up	WOL	Open	Pass
IR interface	IRRX/IRTX	Open	Pass

6. Stability Test

6.1 CPU Over Clock Test:

System Configuration	
CPU : Intel P-III 933	FDD : NEC FD1231T 1.44MB
Cache Memory : 256 K	Audio : Onboard VIA 686B AC'97 Audio
Memory : SDRAM 256MB (128MB x 2)	Mouse : Microsoft PS/2 mouse
HDD (ATA/100) : Maxtor 93073H6 30.7GB	PowerSupply : Evermax EG-301P-VE 300W
VGA : ELSA GLADIAC Ultra AGP	O.S. Environment : Windows ME
DVD-ROM : Acer DVP1640A 16X	



NO.	Over clock level		Test Result				
	FSB	CPU ID	Cool boot	Install OS	PM	Winstone 2001	3D Winbench
1	140MHz	980MHz	Pass	Pass	Pass	Pass	Pass
2	150MHz	1050MHz	Pass	Pass	Pass	Pass	Pass

6.2 Full Loading Test:

System Configuration			
CPU	: Intel P-III 1.0G	PCI 1	: Realtek RTL-8139B LAN card
Cache Memory	: 256 K	PCI 2	: Adaptec AHA-2940U2W SCSI card
Memory	: SDRAM 384MB (128MB x 3)	PCI 3	: Everdata YAMAHA 754 sound card
HDD 1	: Seagate ST330631A 30.6GB	PCI 4	: Realtek RTL-8139C LAN card
HDD2	: IBM DTLA-305020 20GB	CNR	: Taicom 56KV.90 Modem card
HDD3	: Maxtor 93073U6 30GB	Audio	: Onboard VIA 686B AC'97 Audio
CD-ROM	: Philips PCA323CD 32X	Mouse	: Microsoft PS/2 mouse
VGA	: ELSA GLADIAC Ultra AGP	PowerSupply	: Evermax EG-301P-VE 300W
FDD	: NEC FD1231T 1.44MB	O.S. Environment:	Windows ME

Test Result						
Cool boot	BIOS detect	Install OS	All devices Driver install	PM	Winstone 2001	3D Mark 2001
Pass	Pass	Pass	Pass	Pass	Pass	Pass

6.3 PCB Cool Boot Test: (12 hours)

System Configuration			
CPU	: Intel Celeron 700	FDD	: NEC FD1231T 1.44MB
Cache Memory	: 128K	PowerSupply	: HIPRO HP-250 NLXAK 250W
Memory	: SDRAM 384MB (128MB x 3)		
VGA	: LealteK Geforce3 AGP		

Test Result	
Cool Boot (over 700 times)	Pass

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

Software Name	Duration	Result
Winstone 2001 Under WIN ME	12hr.	Pass
Test Configurations for Win ME	Intel Celeron 733MHz IBM DTLA-307045 ATA/100 45GB HDD Transcend 256MB SDRAM Memory.(SEC) X 3 ATI Rage Fury Pro AGP	
CC Winstone 2001 Under WIN 2000	12hr.	Pass



Test Configurations for Windows 2000

Intel Pentium III 1.2GHz
IBM DTLA-307045 ATA/100 45GB HDD
Transcend 256MB SDRAM Memory.(SEC) X 3
ATI Rage Fury Pro AGP

8. Hardware Compatibility Test Suite

8.1 Memory

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000
☒ Win 2000 Ver: 5.00.2195

CPU Intel Pentium III 850MHz (Bus clock 100MHz) ☒ Intel
Intel Pentium III 1GHz (Bus clock 133MHz)

HDD Maxtor 51536H2 15.3GB IDE ☐ ATA/66 ☒ ATA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

VGA Matrox Millennium G400 Max ☐ Onboard ☒ AGP 4X

CD-ROM ASUS DVD-E608 8X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS

Sound VIA VT686B AC'97 ☐ PCI Slot: ☐ On board

Mouse Microsoft IntelliMouse PS/2 Mouse ☐ COM ☒ PS/2

The following SDRAM module test Winstone 2001/3D Mark 2001 under Windows ME/2000 with BIOS set up default value and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 85Hz, small font.

8.1.1 SDRAM DIMM Module (PC100)

Vender	IC Part No.	ECC	Size	Side	Module No.
KingSton	TC59SM716FT-80	No	64MB	S	KGM100X64C2/64
	PTT3S128081T-8	No	128MB	S	DT100128M8-T01151
SIMONS	D45128163G5-A10B-9JF	No	64MB	S	
SIEMENS	HYB39S64800CT-8	No	64MB	S	HYS64V8300GU-8-C
	HYB39S64800CT-8	Yes	128MB	D	HYS72V16220GU-8-C
SEC	KM48S2020CT-GH	Yes	32MB	D	BUFFALO VSJ-D32M
	KM48S8030BT-GH	Yes	64MB	S	BUFFALO VSJ-ES64M2
	KM48S8030BT-GH	No	128MB	D	BUFFALO VSJ-D128M2
	KM48S16030T-GL	Yes	256MB	D	
KingMAX	KSV884T4A1A-08A	No	64MB	S	MPC643S-882
	KSV884T4A1A-08A	No	128MB	D	MPCA83S-882
Apacer	GM72V66841XT7J	No	64MB	S	71.63320.065 (HYUNDAI)
	GM72V66841ET7K	No	128MB	D	71.73323.065 (HYUNDAI)
Winbond	W981216AH-75	No	64MB	S	VSJ-S64M2
NEC	D4564841G5-A80-9JF	Yes	128MB	D	BUFFALO VSJ-ED128M2
Hyundia	HY57V658020B-10P	No	128MB	D	VSJ-D128M2

8.1.2 SDRAM DIMM Module (PC133)

Vender	IC Part No.	ECC	Size	Side	Module No.
SIEMENS	HYB39S64800BT-7.5	No	64MB	S	HYS64V8300GU-7.5
	HYB39S64800BT-7.5	No	128MB	D	HYS64V16220GU-7.5
	HYB39S256800BT-7.5	Yes	512MB	D	HYS72V64220GU-7.5
MICRON	MT48LC8M8A2-75B	No	64MB	S	MT8LSDT864AG-133B4
	MT48LC8M8A2-75B	Yes	64MB	S	MT9LSDT872AG-133B4
	MT48LC8M8A2-75B	No	128MB	D	MT16LSDT1664AG-133B4
	MT48LC8M8A2-75B	Yes	128MB	D	MT18LSDT1672AG-133B4
Hyundai	HY57V658020B TC-75	No	64MB	S	HYM7V63801BTFG-75
	HY57V658020B TC-75	No	128MB	D	HYM7V631601BTFG-75
	HY57V658020B TC-75	Yes	128MB	D	HYM7V73A1601BTFG-75
NEC	D4564841G5-A75-9JF	No	64MB	S	MC-458CB647LF-A75
KingMAX	KSV884T4A1A-07	No	64MB	S	MPG643S-883
	KSV884T4A1A-07	No	128MB	D	MPGA83S-883
	KSV884T4A1A-06	No	128MB	D	MPGA83S-883
	KSV684T4A1A-06	No	256MB	D	MPJB63S-68KX
Transcend	W981208BH-75	No	256MB	D	
	K4S640832D-TC75	No	128MB	D	TS16MLS64V6W (SEC)
	K4S640832D-TC75	No	256MB	D	
Apacer	HYB39S64800BT-7.5	No	64MB	S	71.63350.114 (Infineon)
	AM2V648C2T75	No	64MB	S	71.63350.034 (Apacer)
	HYB39S64800BT-7.5	No	128MB	D	71.73350.114 (Infineon)
	GM72V66841XT75	No	128MB	D	71.73350.064 (Hyundai)
	AM2V648C2T75	No	128MB	D	71.73350.034 (Apacer)
Buffalo	W981208AH-75	No	128MB	S	VS133-128M (Winbond)
	5264805FTT75	No	64MB	S	VS133-64M (Hitachi)
	5264805FTT75	No	128MB	D	VS133-128M (Hitachi)
	GM72V66841ET7K	No	128MB	D	VS133-128M (Hyundai)
	K4S6408320-TC1H	No	128MB	D	VS133-128M (SEC)
V-TEC	GM72V66841ET75	No	64MB	S	
PQI	PQ3S168V75	No	256MB	D	DT133256MB-T00951
KingSton	TC59SM708FT-75	No	128MB	S	KGM133X64C3/128(Toshiba)
	HYB39S64800BT-7.5	No	64MB	S	KVR-PC133/64 (Infineon)
	HYB39S64800BT-7.5	No	128MB	D	KVR-PC133/128 (Infineon)
	0312804CT3A-75A	No	256MB	D	KVR-PC133/256 (IBM)
	V54C3128804VAT7	No	256MB	D	KVR133X64C3/256(Mosel)
	W981208BH-75	No	256MB	D	KVR133X64C3/256(Winbond)
	D45128841G5-A75-9JF	No	256MB	D	KVR133X64C3/256 (NEC)
SIMONS	D45128841G5-A80-9JF	No	128MB	S	

8.2 Add-on Cards

8.2.1 Display Adapter Products

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000 .
CPU Intel Pentium III 1.0GHz ☒ Intel
Memory Buffalo 128MB(Winbond) Total: 256 MB ☐ PC100 ☒ PC133
HDD IBM DTLA-305020 20GB ☐ ATA/66 ☒ ATA/100
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
CD-ROM Acer DVP1640P 16X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS
Sound VIA 686B AC'97 ☐ PCI Slot: ☒ On board
Mouse Logitech MouseMan Mouse ☐ COM ☒ PS/2

The following PCI/AGP VGA cards test 3Dmark 2001/Final Reality 1.01 /Suspend to Disk(S4) under Windows ME with their respective VGA drivers installed and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 85Hz, small font.

8.2.1.1 2X AGP Display Adapter Products

Vendor	Model Name	Product Description	Driver version
ATI	Rage 128GL	Rage Fury	4.13.7110
	Rage 128GL	XPRT 128	4.13.7110
	Rage 128 Pro	All-In-Wonder 128	4.13.7110
	Rage 128VR	XPRT 2000	4.13.7110
	Rage XL	Rage XL	4.12.2647
	Radeon VE	Radeon VE	4.13.7115
	Rage 128 Pro	Rage Fury MAXX	4.12.7942
ASUS	Riva TNT	AGP-V3400TNT	4.13.01.1260
ELSA	Riva TNT	ERAZOR II	4.12.01.0667
Leadtek	Riva TNT2 Ultra	Winfast 3D S320 II Ultra	4.13.01.1200
	Riva TNT2 Pro	WinFast 3D S320 II Pro	4.13.01.1200
	Riva TNT2 Vanta	WinFast 3D S320V	4.13.01.1200
	Riva TNT2 M64	WinFast 3D S325	4.13.01.1200
	GeForce256	Winfast GeForce256	4.13.01.1200
	GeForce256 GTS	Winfast GeForce 2 GTS	4.13.01.1200
	GeForce2 MX	Winfast GeForce2 MX	4.13.01.1200
	Riva Geforce3	WinFast Geforce3	4.13.01.1200
	SiS 300	Winfast VR300	4.12.01.1030
Matrox	MGA-G200	Millennium G200	4.12.01.2730
	MGA-G200A	Millennium G200 LE	4.12.01.2730
Creative	Riva TNT2 M64	3D Blaster Riva TNT2 Value	4.12.01.0650
	Riva TNT2 Ultra	3D Blaster Riva TNT2 Ultra	4.12.01.0650
	Riva Geforce 256	3D Blaster GeForce256	4.12.01.0650
	GeForce2 GTS	3D Blaster Geforce2 GTS	4.12.01.0650
	Riva Geforce 256	3D Blaster GeForce Pro	4.12.01.0650
3dfx	Voodoo 3 2000	Voodoo 3 2000	4.12.01.0666
	Voodoo 3 3000	Voodoo 3 3000	4.12.01.0666
	Voodoo 3 3500	Voodoo 3 3500 TV	4.12.01.0666

8.2.1.2 4X AGP Display Adapter Products

Vendor	Model Name	Product Description	Driver version
Cardex	Savage 2000	Cardexpert Savage 2000	4.12.01.9015
	Riva TNT2 Vanta	Cardexpert TNT2 Vanta	4.12.01.0776
	GeForce2 MX	GeForce2 MX	4.12.01.0776
Matrox	MGA-G400	Millennium G400 SH	4.12.01.1810
	MGA-G400	Millennium G400 MAX	4.12.01.1810
	MGA-G450	Millennium G450	4.12.01.1810
ATI	Rage 128 Pro	XPert 2000 Pro	4.13.7110
	Rage 128 Pro	Rage Fury Pro	4.13.7110
	Rage 128 Pro	All-In-Wonder 128 Pro	4.13.7110
	Radeon	Radeon	4.13.7115
	Radeon	All-In-Wonder Radeon	4.13.7115
ASUS	Riva TNT2 Pro	AGP-V3800 Pro	4.13.01.1260
	Riva GeForce 256	AGP-V6600	4.13.01.1260
	GeForce256 DDR	AGP-V6800	4.13.01.1260
	GeForce2 MX	AGP-V7100	4.13.01.1260
	Riva GeForce2 GTS	AGP-V7700	4.13.01.1260
	Riva GeForce2 GTS	AGP-V7700 Deluxe	4.13.01.1260
	Riva GeForce3	AGP-V8200 Deluxe	4.13.01.1260
Visiontek	Riva Geforce3	Geforce3 (TV out)	4.13.01.1200
ELSA	Riva TNT2	ERAZOR III	4.12.01.0756
	Riva TNT2	Synergy II	4.12.01.0756
	Riva TNT2 M64	ERAZOR III LT	4.13.01.1240
	Riva TNT2 Vanta	ERAZOR III LT-16	4.13.01.1240
	Riva TNT2 Pro	ERAZOR III Pro	4.13.01.1240
	Riva GeForce 256	ERAZOR X	4.13.01.1240
	Riva GeForce 256 DDR	ERAZOR X ²	4.13.01.1240
	Riva Geforce2 GTS	GLADIAC	4.13.01.1240
	GeForce2 MX	GLADIAC MX	4.13.01.1240
	Riva Geforce2 Ultra	GLADIAC Ultra	4.13.01.1240
	GeForce2 MX 200	GLADIAC 311	4.13.01.1240
	GeForce2 MX 400	GLADIAC 511	4.13.01.1240
	GeForce2 GTS Pro	GLADIAC Pro	4.13.01.1240

8.2.1.3 PCI Display Adapter Products

Vendor	VGA Chip	Product Description
Creative	S3 Savage 4	3D Blaster Savage 4
ASUS	Riva TNT2	PCI-V3800
3dfx	Voodoo3 3000	Voodoo3 3000
3dfx	Voodoo5 5500	Voodoo5 5500

8.2.2 SCSI Adapter Products

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000

☒ Win 2000 Ver: 5.00.2195 .
CPU Intel Pentium III 933MHz ☒ Intel
Memory Buffalo 64MB (Hyundai) **Total: 128 MB** ☐ PC100 ☒ PC133
VGA ELSA GLADIAC Ultra ☐ Onboard ☒ AGP 4X
HDD IBM DMVSIEC-950 9.1GB ☐ Ultra II SCSI ☒ Ultra Wide
CD-ROM Plextor PX-40TX 40X SCSI ☒ Ultra SCSI ☐ Ultra Wide
Sound VIA 686B AC'97 ☐ PCI_Slot: __ ☒ On board
Mouse Logitech MouseMan Mouse ☐ COM ☒ PS/2

The following PCI SCSI cards run Winstone 2001 under Windows ME/2000 with their respective SCSI drivers installed and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 85Hz, small font.

Vendor	Model Name	Product Description	Bus I/F
Adaptec	AHA-2940U2W	Adaptec AHA-2940U2W PCI SCSI card	PCI
	ASC-19160	Adaptec Ultra 160 PCI SCSI card 19160	PCI
	ASC-29160N	Adaptec Ultra 160 PCI SCSI card 29160N	PCI
	ASC-39160	Adaptec Ultra 160 PCI SCSI card 39160	PCI
Tekram	DC-390U2W	Tekram DC-390U2W PCI SCSI	PCI
	DC-390U3W	Tekram DC-390U3W PCI SCSI	PCI

8.2.3 PCI/CNR Modem Products

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000 .
CPU Intel Pentium III 933MHz ☒ Intel
Memory Transcend 128MB(SEC) **Total: 256 MB** ☐ PC100 ☒ PC133
VGA ELSA GLADIAC Ultra ☐ Onboard ☒ AGP 4X
HDD Maxtor 93073U6 30.7GB IDE ☒ ATA/66 ☐ ATA/100
CD-ROM Acer DVP1640P 16X IDE DVD **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS
Sound VIA 686B AC'97 **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS
Mouse Microsoft IntelliMouse PS/2 Mouse ☐ PCI_Slot: __ ☒ On board
☐ COM ☒ PS/2

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

Vendor	Product Description	Bus I/F
Castle Net	56KV.90 Modem Riser Card (MC810)	CNR
CIS	Soft 56K data/Fax/RTAP	PCI
Askey	1456VQH75	PCI

8.2.4 PCI Audio Products

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000 .
CPU Intel Pentium III 933MHz ☒ Intel
Memory Transcend 128MB(SEC) **Total: 256 MB** ☐ PC100 ☒ PC133

VGA ELSA GLADIAC MX ☐ Onboard ☒ AGP 4X
HDD Maxtor 93073U6 30.7GB IDE ☒ ATA/66 ☐ ATA/100
CD-ROM Acer DVP1640P 16X IDE DVD Channel: ☒ PM ☐ PS ☐ SM ☐ SS
Mouse Microsoft IntelliMouse PS/2 Mouse ☐ COM ☒ PS/2

The following PCI sound cards test play WAV/MIDI/CD audio and Video CD under Windows ME with their respective sound drivers installed .

Vendor	Model Name	Product Description
Creative	CT-4860	Sound Blaster Live! Platinum
FIC	ESS Canyon 3D	Hi-Five PCI Sound Card
Everdata	YAMAHA 754	Orpheua Digital PCI Sound Card
YAMAHA	YAMAHA 724	YAMAHA 724

8.2.5 PCI IDE RAID Products

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000 .
 CPU Intel Pentium III 850MHz ☒ Intel
 Memory Buffalo 128MB(Hitachi) Total: 128 MB ☐ PC100 ☒ PC133
 VGA Leadtek Winfast Geforce2 GTS ☐ Onboard ☒ AGP 4X
 HDD1 IBM DTLA-307015 15.3GB IDE ☐ ATA/66 ☒ ATA/100
 HDD2 Maxtor 52049H4 40.9GB IDE ☐ ATA/66 ☒ ATA/100
 HDD3 Samsung SV3063H 30.6GB IDE ☐ ATA/66 ☒ ATA/100
 HDD4 Fujitsu MPG3204AT 20.4GB IDE ☐ ATA/66 ☒ ATA/100
 CD-ROM Acer 650P 50X Channel: ☐ PM ☐ PS ☒ SM ☐ SS
 Sound VIA 686B AC'97 ☐ PCI_Slot: ☐ On board
 Mouse Microsoft IntelliMouse PS/2 Mouse ☐ COM ☒ PS/2

The following PCI RAID card test RAID 0/1 under Windows ME with their respective drivers installed

Vendor	Product Description	Chip
Promise	Fast TRAK100 ATA RAID Controller Card	PROMISE PDC20267

8.3 Storage

8.3.1 SCSI Peripheral Products

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000 .
☒ Win 2000 Ver: 5.00.2195 .
 CPU Intel Pentium III 800MHz ☒ Intel
 Memory Buffalo 64MB (Hitachi) Total: 128 MB ☒ PC100 ☐ PC133

VGA	ELSA GLADIAC Ultra
SCSI	ASC-29160N Ultra2 Wide SCSI
Mouse	Logitech First Mouse+ Mouse

YOnboard ☒ AGP 4X
 YISA ☒ PCI_Solt: 2.
 YCOM ☒ PS/2

The following SCSI devices test and WinStone 2001 under Windows ME/2000 with their respective SCSI drivers installed and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 85Hz, small font.

ITEM	Vendor	Model Name	Product Description
Hard Disk	IBM	DMVS IEC-950	Ultra2 Wide 9.1GB
		DDYS-T36950	Ultra2 Wide 36GB
	Seagate	ST-39173W	Barracuda 9LP Ultra Wide 9.1GB
		ST-318436LW	Barracuda Ultra160 Wide 18GB
		ST-318404LW	Cheetah Ultra160 Wide 18GB
		ST-39236LW	Barracuda Ultra160 Wide 9GB
CD-ROM CD-RW	Plextor	PX-40Tsi	Ultra SCSI CD-ROM 40X
	Toshiba	XM-6210B	Ultra SCSI CD-ROM 32X
	NEC	CDR-1910	Ultra SCSI CD-ROM 32X
	SONY	CDU-625	SCSI-II CD-ROM 24X
	TEAC	CD-523S	Ultra SCSI CD-ROM 32X
	Nichimen	CDR-BP3N	32R12W10RW SCSI CD-RW

8.3.2 IDE Fixed Disk Drive Products

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000 .
☒ Win 2000 Ver: 5.00.2195 .

CPU	Intel Pentium III 1.0GHz	<input checked="" type="checkbox"/> Intel
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Memory KingMax 128MB(KingMax)

CD-ROM NEC DV-5700B 12X IDE DVD

VGA Leadtek Geforce2 GTS

Sound VIA 686B AC'97

Mouse Logitech First Mouse+ Mouse

Total: 256 MB ☐ PC100 ☒ PC133

Channel: ☐PM ☐PS ☒SM ☐SS

● Onboard ☒ AGP 4X

YPCI_Slot: __. ☒ On board

 \ddot{y}_{COM} ☒ PS/2

The following IDE devices test and WinStone 2001/Copy large files under Windows ME/2000 with VIA IDE Bus master drivers installed and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 85Hz, small font.

8.3.2.1 IDE Ultra DMA/66

Vendor	Model Name	Mode	Capacity
WD	AC313000	Ultra ATA 66	13GB
	AC205B	Ultra ATA 66	20.5GB
Seagate	ST-313032A	Ultra ATA 66	13GB
	ST-317242A	Ultra ATA 66	17.2GB
	ST-328040A	Ultra ATA 66	28.5GB
Fujitsu	MPE3102AH	Ultra ATA 66	10.2GB
	MPE3204AT	Ultra ATA 66	20.4GB
	MPE3204AH	Ultra ATA 66	20.4GB



IBM	DJNA-352030	Ultra ATA 66	20.3GB
	DPTA-372730	Ultra ATA 66	27.3GB
	DPTA-353750	Ultra ATA 66	37.5GB
Maxtor	91021U2	Ultra ATA 66	10.2GB
	91360U4	Ultra ATA 66	13.6GB
	91531U3	Ultra ATA 66	15.3GB
	92040U6	Ultra ATA 66	20GB
	92049U4	Ultra ATA 66	20GB
	92720U8	Ultra ATA 66	27GB
	93073U6	Ultra ATA 66	30.7GB
	53073U6	Ultra ATA 66	30.7GB
	94098U8	Ultra ATA 66	40GB
	54098U8	Ultra ATA 66	40GB

8.3.2.2 IDE Ultra DMA/100

Vendor	Model Name	Mode	Capacity
IBM	DTLA-307015	Ultra ATA 100	15.3GB
	DTLA-305020	Ultra ATA 100	20.5GB
	DTLA-307020	Ultra ATA 100	20.5GB
	DTLA-307030	Ultra ATA 100	30.7GB
	DTLA-307045	Ultra ATA 100	46.1GB
	DTLA-307060	Ultra ATA 100	61.4GB
	DTLA-307075	Ultra ATA 100	76.8GB
Maxtor	51536H2	Ultra ATA 100	15.3GB
	52049H4	Ultra ATA 100	20.4GB
	53073H6	Ultra ATA 100	30.6GB
	34098H8	Ultra ATA 100	40.9GB
	54098H8	Ultra ATA 100	40.9GB
	5T060H6	Ultra ATA 100	61GB
	98196H8	Ultra ATA 100	80GB
Seagate	ST320414A	Ultra ATA 100	20GB
	ST330631A	Ultra ATA 100	30.6GB
	ST340824A	Ultra ATA 100	40GB
WD	Caviar WD300	Ultra ATA 100	30GB
	Caviar WD400	Ultra ATA 100	40GB
Samsung	SV3063H	Ultra ATA 100	30.6GB

8.3.3 ATAPI CD-ROM /DVD-ROM Device Product

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000

CPU Intel Pentium III 1.0GHz ☒ Intel

Memory Buffalo 128MB(Hitachi) Total: 256 MB ☐ PC100 ☒ PC133

HDD Maxtor 54098H8 40.9GB IDE ☐ ATA/66 ☒ ATA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

VGA Leadtek Geforce2 GTS ☐ Onboard ☒ AGP 4X

Sound VIA 686B AC'97 ☐ PCI Slot: ☒ On board

Mouse Logitech First Mouse+ Mouse ☐ COM ☒ PS/2

The following IDE devices test play VCD or DVD under windows ME with VIA IDE Bus master drivers installed and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 85Hz, small font.

8.3.3.1 ATAPI CD-ROM:

Vendor	Model Name	Product Description
Mitsumi	CRMC-FX4820T	ATAPI CD-ROM 48X UDMA2
TEAC	CD-540E	ATAPI CD-ROM 40X UDMA2
LITE-ON	LTN-403L	ATAPI CD-ROM 40X UDMA2
	LTN-485S	ATAPI CD-ROM 48X UDMA2
Acer	650P	ATAPI CD-ROM 50X UDMA2
AOpen	CD-952E/AKH	ATAPI CD-ROM 52X UDMA2
BTC	BCD 48SB	ATAPI CD-ROM 48X UDMA2
Creative	CD4834E	ATAPI CD-ROM 48X Mode4
	CD5220E	ATAPI CD-ROM 52X Mode4
ASUS	CD-S400/A	ATAPI CD-ROM 40X UDMA2
	CD-S500/A	ATAPI CD-ROM 50X UDMA2
SONY	CDU-4811	ATAPI CD-ROM 48X UDMA2

8.3.3.2 ATAPI DVD-ROM:

Vendor	Model Name	Product Description
ASUS	DVD-E612	ATAPI DVD-ROM 12X
SONY	DDU1211	ATAPI DVD-ROM 12X
Pioneer	DVD-114	ATAPI DVD-ROM 10X
	DVD-115	ATAPI DVD-ROM 16X
	DVD-105S	ATAPI DVD-ROM 16X
	DVD-116	ATAPI DVD-ROM 16X (UDMA66)
Panasonic	SR-8585-B	ATAPI DVD-ROM 8X
	SR-8587-B	ATAPI DVD-ROM 16X
Acer	DVP1640A	ATAPI DVD-ROM 16X
Creative	DVD1242E	ATAPI DVD-ROM 12X
NEC	DV-5700B	ATAPI DVD-ROM 12X
Actima	AD10S	ATAPI DVD-ROM 10X
	AD12H	ATAPI DVD-ROM 12X
Lite-On	LTD-122	ATAPI DVD-ROM 12X

8.4 Peripherals

8.4.1 Parallel/Serial Port Products (Including IR)

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000

CPU Intel Celeron 800MHz ☒ Intel

Memory SIEMENS 128MB(SIEMENS) Total: 256 MB ☒ PC100 ☒ PC133

HDD Maxtor 52049H4 20.4GB IDE ☒ ATA/66 ☒ ATA/100

Channel: ☒ PM ☒ PS ☒ SM ☒ SS

CD-ROM ASUS CD-S400/A 40X IDE Channel: ☒ PM ☒ PS ☒ SM ☒ SS

VGA ATI Radeon ☒ Onboard ☒ AGP 2X

Sound VIA 686B AC'97 ☒ PCI Slot: ☒ On board

Mouse Logitech TrackMan Marble Mouse ☒ COM ☒ PS/2

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

Vendor	Product Description	Bus I/F
HP	LaserJet 6P Printer	LPT/IR
EPSON	Stylus Color 900 Printer	LPT
Mustek	Mustek 1200CP Scanner	LPT
Parallel	DirectParallel universal cable	LPT
Iomega	Parallel ZIP 250	LPT
Logitech	WingMan Formula Force joystick	COM
WACOM	Intuos Graphics Tablet	COM
Kodak	DC210 InfraRed/Serial port Digital camera	COM/IR
ACTisys	ACT-IR210L	IR
IRwave	IRwave320F	IR

8.4.2 Mouse Products

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000 .
CPU Intel Pentium III 1.0GHz ☒ Intel
Memory Buffalo 128MB (Winbond) Total: 256 MB ☐ PC100 ☒ PC133
HDD IBM DTLA-307030 30.7GB IDE ☐ ATA/66 ☒ ATA/100
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
CD-ROM Pioneer DVD-115 16X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS
VGA ELSA GLADIAC MX ☐ Onboard ☒ AGP 4X
Sound VIA 686B AC'97 ☐ PCI_Slot: ☒ On board

The following Mouse devices test Office 2000 and Game under Windows ME with Mouse drivers installed.

Vendor	Product Description	Bus I/F
Microsoft	IntelliMouse USB/PS2 Mouse (Optical)	USB/PS2
	IntelliMouse explorer USB/PS2 Mouse	USB/PS2
Logitech	Logitech MouseMan Serial Mouse	Serial/ PS2
	Logitech First Mouse+ Serial Mouse	Serial/ PS2
	Logitech Wheel Mouse (Optical)	USB/PS2
Samsung	Cyber Beetle Mouse (Optical)	PS2
Genius	NetScroll Optical	PS2

8.4.3 USB Device Products

Test Configuration:

OS Ver ☒ Win 2000 Ver: 5.00.2195 .
CPU Intel Pentium III 1.0GHz ☒ Intel
Memory KingMax 128MB (KingMax) Total: 256 MB ☐ PC100 ☒ PC133
HDD Seagate ST-340824A 40GB IDE ☐ ATA/66 ☒ ATA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS
CD-ROM ASUS CD-S400/A 40X IDE **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS
VGA ELSA GLADIAC Pro **Onboard** ☒ AGP 4X
Sound VIA 686B AC'97 **PCI Slot:** ☐ On board
Mouse Logitech First Mouse+ Mouse **COM** ☒ PS/2

The following USB devices be tested under Windows 2000 with default driver installed.

Type	Vendor	Description
Mouse	Logitech	USB Wheel Mouse (M-BB48)
		USB MouseMan Wheel (M-BA47)
		USB Wheel optical Mouse (M-BD58)
	Microsoft	IntelliMouse Mouse (w IntelliEye)
		IntelliMouse Optical USB Mouse
		IntelliMouse explorer USB Mouse
	XNTC	98NS1-U2
	Cypress	7-895 Mouse
HUB	SOHOUSB	Unique Energy Saving (4-Port USB Hub)
	Belkin	Express Bus F5U001
Camera	Kodak	DVC323
	IBM	XVP610
Faxmodem	USRobotics	56K Voice Faxmodem
	Well	56K Faxmodem (FM-56USB-ST)
Keyboard	BTC	8113W
	Jetime	ACK-298H
	Microsoft	Natural Keyboard Pro
Printer	EPSON	Stylus Color 740
		Stylus Color 900
Scanner	EPSON	GT-7000
	HP	ScanJet 4200C
Ethernet	CATC	USB Ethernet Link
Speaker	YAMAHA	YST-MS35D
MO	OLYMPUS	Turbo MO MINI (MOS3390S)
HDD	Vipower	VP-8058 Mobile USB Adapter
CD-RW	SONY	Spessa CD-ReWritable Recorder
Monitor	CTX	PR711F
ZIP	iomega	ZIP 250
GamePad	Creative	Cobra USB GamePad
	Logitech	WingMan Extreme USB GamePad
	Microsoft	SideWinder Strategic Commander
	Microsoft	SideWinder Game Voice
Joystick	Logitech	WingMan Formula Force joystick
	Microsoft	SideWinder Precision 2
	Thrustmaster	TOP Gun
	Genius	Flight2000 F-22X

8.4.4 Joystick & Game Pad

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000
CPU Intel Pentium III 1.0GHz ☒ Intel
Memory Buffalo 128MB (Winbond) Total: 256 MB ☐ PC100 ☒ PC133
HDD IBM DTLA-307030 30.7GB IDE ☐ ATA/66 ☒ ATA/100
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
CD-ROM Pioneer DVD-115 16X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS
VGA ELSA GLADIAC MX ☐ Onboard ☒ AGP 4X
Sound VIA 686B AC'97 ☐ PCI Slot: ☒ On board

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

Type	Vendor	Product Description
GamePad	Logitech	ThunderPad Digital
Joystick	Microsoft	SideWinder force feedback pro joystick
	Logitech	Wing Man Extreme digital joystick
		CyberMan2 Digital Game Controller

8.5 Power Supply Products

Test Configuration:

OS Ver ☒ Win 2000 Ver: 5.00.2195
CPU Intel Pentium III 750MHz ☒ Intel
Memory Apacer 128MB(Infineon) Total: 256 MB ☐ PC100 ☒ PC133
HDD IBM DTLA-307030 30.9GB IDE ☐ ATA/66 ☒ ATA/100
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
CD-ROM Pioneer DVD-115 16X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS
VGA Leadtek Geforce3 ☐ Onboard ☒ AGP 4X
Sound VIA 686B AC'97 ☐ PCI Slot: ☒ On board
Mouse Logitech TrackMan Marble Mouse ☐ COM ☒ PS/2

The following Power supply devices test Cool/Warm boot,restart and power management under Windows 2000 with over 10 times.

Vendor	Product Description	Power	Type
DELTA	DPS-200PB-103F	200W	ATX
	DPS-300KB A Rev:00	300W	ATX
	DPS-300KB-1 A Rev:00	300W	ATX
HIPRO	HP-250NLXAK Rev:01	250W	NLX
	HP-300SN Rev:02	300W	ATX
Seventeam	ST-250BLP	250W	ATX

	ST-250GL	250W	ATX
	ST-301HR	300W	ATX
	ST-300BLV	300W	ATX
	ST-400GL	400W	ATX
Enlight	HPC-250-101 Rev:C	250W	ATX
	HPC-300-101 Rev:C0	300W	ATX
	HPC-340-101	340W	ATX
TELTA	HI-250PB	250W	ATX
	HI-300PB	300W	ATX
AOpen	FSP300-60GT	300W	ATX
ACHME	AM607BS-250W	250W	ATX
HOPELY	ATX-250S	250W	ATX
ENERMAX	EG301P-VE	300W	ATX

9. Software Compatibility Test Suite

9.1 Base Operating System

9.1.1 Microsoft Windows 98 SE:

Test Configuration:

CPU Intel Pentium III 1.0GHz

Memory PQI 256MB(PQI)

HDD WD 400 40GB IDE

VGA ASUS AGP-V7700 Deluxe

Sound VIA 686B AC'97

CD-ROM ASUS DVD-E612 12X IDE DVD

Mouse Microsoft IntelliMouse Mouse

☒ Intel

Total: 768 MB ☐ PC100 ☒ PC133

☐ ATA/66 ☒ ATA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

☐ Onboard ☒ AGP 4X

☐ PCI_Slot: __ ☒ On board

Channel: ☐ PM ☐ PS ☒ SM ☐ SS

☐ COM ☒ PS/2

Test Item	Result	Remark
FDISK (FAT32)	PASS	
Install Win OS	PASS	
Format FDD	PASS	
Diskcopy	PASS	
Large file Copy (one file over 500MB)	PASS	
Cool boot 2 times under every combination	PASS	
Reboot 2 times under every combination	PASS	
FIC CD-PRO all Application Install & Test	PASS	
CoreTest 92 (Transfer Rate test)	PASS	

Device Management check (No Caution)		PASS	
VGA Resolution/Color change		PASS	
Install Office 2000		PASS	
Auto Shutdown (system power off)		PASS	
Defrag test		PASS	
VCD play (name: <i>Runaway Bride</i>)		PASS	
Power Management	Power button	PASS	
	Keyboard Sleep Key	PASS	
	Start → Stand By item	PASS	
	Time Out	PASS	
System Shutdown	Power button (Setting from PM)	PASS	
	Start → Shut down item	PASS	
WinStone 2001		PASS	41.4
CC WinStone 2001		PASS	44.1
WinBench 99 (BD/BG/HD/HG)		PASS	
3D Mark2001		PASS	900

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 Windows 98 SE	4.10.2222A	English	Microsoft	Pass

9.1.2 Microsoft Windows 2000 + Service Pack 2:

Test Configuration:

CPU Intel Pentium III 1.0GHz ☒ Intel
 Memory KingSton 256MB(NEC) Total: 768 MB ☐ PC100 ☒ PC133
 HDD IBM DTLA-307060 61.4GB IDE ☐ PIO4 ☐ ATA/66 ☒ ATA/100
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS
 VGA ATI Radeon ☐ Onboard ☒ AGP 4X
 Sound VIA 686B AC'97 ☐ PCI_Slot: __ ☒ On board
 CD-ROM Creative DVD1242E 12X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS
 Mouse Microsoft IntelliMouse Mouse ☐ COM ☒ PS/2

Test Item	Result	Remark
Install Win 2000 with NTFS (boot from CD)	PASS	
Install OS	PASS	
Format FDD	PASS	
FIC CD-PRO all M/B drivers Install & Test	PASS	
FIC CD-PRO all Application Install & Test	PASS	
Device Management check (No Caution)	PASS	
VGA Resolution/Color change	PASS	
Large file Copy (one file Over 500MB)	PASS	
Install Office 2000	PASS	
VCD/DVD play (name: <i>Runaway Bride</i>)	PASS	
Power Management (Stand By function)	Power button	PASS
	Keyboard Sleep Key	PASS
	Start → Stand By item	PASS
	Time Out	PASS
Hibernate (Suspend To Disk)	Power button	PASS
	Start → Hibernate item	PASS
	Time Out	PASS

System Shutdown	Power button	PASS	
	Start → Shut down item	PASS	
WinStone 2001		PASS	42.1
CC WinStone 2001		PASS	51.1
3D Mark2001		PASS	2685
WinBench 99 (BD/BG/HD/HG)		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 Windows 2000 Professional	5.00.2195	English	Microsoft	Pass
Windows 2000 Service Pack	2.0	English	Microsoft	Pass

9.1.3 Microsoft Windows NT 4.0 + Service Pack 6:

Test Configuration:

CPU Intel Pentium III 1.0GHz ☒ Intel
 Memory KingSton 256MB(Winbond) Total: 768MB ☐ PC100 ☒ PC133
 HDD Fujitsu MPG3307AT 30.7GB IDE ☐ PIO4 ☐ ATA/66 ☒ ATA/100
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS
 VGA Matrox Millennium G450 ☐ Onboard ☒ AGP 4X
 Sound VIA 686B AC'97 ☐ PCI_Slot: __ ☒ On board
 CD-ROM ASUS DVD-E612 12X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS
 Mouse Logitech Mouse+ Mouse ☐ COM ☒ PS/2

Test Item	Result	Remark
Install Win NT with NTFS (boot from CD)	PASS	
Install Service Pack 6.0	PASS	
Format FDD	PASS	
Cool boot 2 times under every combination	PASS	
Reboot 2 times under every combination	PASS	
VGA Resolution/Color change	PASS	
Large file Copy (one file Over 500MB)	PASS	
VCD/DVD play (name: <i>Runaway Bride</i>)	PASS	
PM function by Win NT	PASS	
WinStone 2001	PASS	44.8
CC WinStone 2001	PASS	51.3
WinBench 99 (BD/BG/HD/HG)	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 Workstation	4.0	English	Microsoft	Pass
Windows NT Workstation Service Pack	6.0	English	Microsoft	Pass

9.1.4 IBM OS/2 4.0:

Test Configuration:

CPU Intel Pentium III 1.0GHz ☒ Intel
Memory Buffalo 128MB (Hitachi) **Total:** 256 MB ☐ PC100 ☒ PC133
HDD Fujitsu MPB3032AT 3.2GB IDE ☐ PIO4 ☒ ATA/33
VGA Matrox Millennium G400 MAX **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS
CD-ROM Acer DVP 1640A 16X IDE DVD ☒ PCI_Slot: 2 ☐ AGP
Mouse Logitech Mouse+ Mouse **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS
☐ 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	
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

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

9.1.5 LINUX :

Test Configuration:

CPU Intel Pentium III 1.0GHz ☒ Intel
Memory KingMax 128MB (KingMax) **Total:** 384 MB ☐ PC100 ☒ PC133
HDD Maxtor 52049h4 20.4GB IDE ☐ ATA/66 ☒ ATA/100
VGA Leadtek Geforce 256 **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS
CD-ROM Panasonic SR-8585-B 8X IDE DVD ☐ Onboard ☒ AGP 4X
Channel: ☐ PM ☐ PS ☒ SM ☐ SS



LAN Intel 82559 10/100 PCI ☒ PCI_Slot: 2 ☐ AGP
 Mouse Logitech Mouse+ Mouse ☐ COM ☒ PS/2

The board is tested to ensure that it runs a complete a range of Operating Systems.

Operating System	Version	Language	Status
Red Hat	7.1	English	Pass
Open Linux	2.4	English	Pass

9.1.6 Microsoft Windows ME:

Test Configuration:

CPU Intel Pentium III 1.0GHz ☒ Intel
 Memory KingSton 256MB(IBM) Total: 512 MB ☐ PC100 ☒ PC133
 HDD Maxtor 54098H8 40.9GB IDE ☐ PIO4 ☐ ATA/66 ☒ ATA/100
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS
 VGA ASUS AGP-V8200 Deluxe ☐ Onboard ☒ AGP 4X
 Sound VIA 686B AC'97 ☐ PCI_Slot: ☒ On board
 CD-ROM Pioneer DVD-105S 16X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS
 Mouse Microsoft IntelliMouse Mouse ☐ COM ☒ PS/2

Test Item	Result	Remark
FDISK (FAT32)	PASS	
Install OS	PASS	
Format FDD	PASS	
Device Management check (No Caution)	PASS	
VGA Resolution/Color change	PASS	
Large file Copy (one file Over 500MB)	PASS	
Install Office 2000	PASS	
Media Player 7.0 (play MIDI/MP3/CD Audio)	PASS	
VCD/DVD play (name: <i>Runaway Bride</i>)	PASS	
Power Management (Stand By function)	Power button	PASS
	Keyboard Sleep Key	PASS
	Start → Stand By item	PASS
	Time Out	PASS
Hibernate (Suspend To Disk)	Power button	PASS
	Start → Hibernate item	PASS
	Time Out	PASS
System Shutdown	Power button	PASS
	Start → Shut down item	PASS
IE 5.5 (Install LAN card to connect to Internet)	PASS	
System Restore	PASS	
WinStone 2001	PASS	39.1
CC WinStone 2001	PASS	41.6
3D Mark2001	PASS	4845
WinBench 99 (BD/BG/HD/HG)	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 Windows ME	4.90.3000	English	Microsoft	Pass



**9.1.7 Microsoft Windows XP/Home Edition:****Test Configuration:**

CPU Intel Pentium III 933MHz ☒ Intel
 Memory Transcend 128MB(SEC) Total: 384 MB ☐ PC100 ☒ PC133
 HDD IBM DJNA-371350 13.5GB IDE ☐ PIO4 ☒ ATA/66 ☐ ATA/100
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS
 VGA ELSA GLADIAC 511 ☐ Onboard ☒ AGP 4X
 Sound VIA 686B AC'97 ☐ PCI_Slot: __ ☒ On board
 CD-ROM Pioneer DVD-105S 16X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS
 Mouse Microsoft IntelliMouse Mouse ☐ COM ☒ PS/2

Test	Item	Result	Result
FDISK (NTFS)		PASS	
Install OS		PASS	
Large file Copy from CD/DVD-ROM (one file Over 500MB)		PASS	
Install Office XP		PASS	
Media Player 8.0 (play MIDI/MP3/CD Audio)		PASS	
Defrag test		PASS	
VCD/DVD play (name: Mercury Rising)		PASS	
Power Management (Stand By function)	Power button	PASS	
	Keyboard Sleep Key (98keyboard)	PASS	
	Start → Stand By item	PASS	
	Time Out	PASS	
S3 (Suspend To Memory)	Power button	PASS	
	Keyboard Sleep Key (98keyboard)	PASS	
	Start → Stand By item	PASS	
	Time Out	PASS	
Hibernate (Suspend To Disk)	Power button	PASS	
	Start → Hibernate item	PASS	
	Time Out	PASS	
System Shutdown	Power button (Setting from PM)	PASS	
	Start → Shut down item	PASS	
RTC Alarm to power on system	Power On from S3	PASS	
	Power On from S4	PASS	
	Power On from S5	PASS	
WinStone 2001		PASS	30.6
CC WinStone 2001		PASS	43.0
WinBench 99 V2.0 (BD/BG/HD/HG)		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 Windows XP /Home Edition	5.01.2600	English	Microsoft	Pass

Test Engineer:BIOS: Benson ShenOS: Scott Lin



I/O : *Peter Churg*

Audio: *Stevent Huang*

CPU/Memory: *Lion Liou*

VGA: *Leon Liang*

Logo: *Joy Tsai*

IDE Devices: *Scott Lin*

Check by: *Lion Liou*

Ownership: *Benson Shen*