

FIC FS35T PCI/AGP SYSTEM BOARD BOARD LEVEL COMPATIBILITY TEST REPORT

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Revision: **1.02**

Supervisor	Tester

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Revision History

Document Release	Date	Change Item	ECN
Revision 1.00	7/02/2001	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	10/25/2001	BIOS update version to IDG42 Add support Intel Celeron 1.2GHz CPU 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 : FS35T PCB Rev 1.2
Product Name : Intel 815E Based Mainboard
System BIOS : Award BIOS Version IDG42
PCI IDE : Internal PCI Mastre dual IDE
I/O : WinBond W83627HF-AW

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 1.1GHz	100	FC-PGA	Pass	D-Step
Celeron 1.2GHz (Tualatin)	100	FC-PGA	Pass	
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)	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 933MHz (Tualatin)	133	FC-PGA	Pass	
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	

Cyrix :

Cyrix Processors	Bus	Package	Status
Cyrix III 667MHz (Samuel 2)	133	FPGA	Pass

Cyrix III 700MHz (Samuel 2)	100	FPGA	Pass
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4 System Specification for Hardware and Software Utilities

The mainboard hardware portion was configured as follows :

Item	Description
System Core Logic	Intel 815E (82815+82801BA)
System Cache	128K/256K Pipeline Burst SRAM Built-in CPU
System Display	Intel 82815E Graphics and AGP Memory Controller Hub (GMCH)
System Memory	Maximum : 512MB SDRAM 168 pins single RAS and Double RAS DIMM RAM Module
System Slots	1 AGP and 3 PCI and 1 CNR slots
Audio	Intel 815 AC'97 Audio with AD1885 codec
LPC	WinBond W83627HF-AW 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	Wake On LAN / Wake On Ring	PASS
3	RTC Alarm Function	PASS
4	H/W Monitoring (+/-12V,+/-5V,+5VR)	PASS
5	Logo Genie	PASS
6	BIOS Easy Kit	PASS
7	BIOS Flash Protect (Guardian feature)	PASS
8	Ultra ATA-33/66/100 Enhanced IDE Interface	PASS
9	CNR slot	PASS
10	USB Function	PASS
11	Power Failure feature	PASS
12	Year 2000 Compliance	PASS

4.2 Main Software Utilities :

Num.	M/B function	Version	Result
1	Intel ATA Storage driver for Win 9x/NT/ME/2000	6.10.011	PASS
2	Intel 815E graphics driver for Win 9x/NT/ME/2000	6.31	PASS
3	Intel Chipset Software Install Utility	2.90.007	PASS
4	AD1885 codec driver for Win 9x/ME/2000	5.12.01.3009	PASS
5	AD1885 codec driver for Win NT	4.02.00.0035	PASS
6	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	SYS_FAN	Open	Pass
Clear CMOS	SW1-1	Off	Pass
Clear Password	SW1-2	Off	Pass
IR interface	IRRX/IRTX	Open	Pass
Host Frequency Jumper	JP3	1-3,2-4	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 : Enendate YMF-754 PCI Sound
Memory : SDRAM 128MB (64MB x 2)	Mouse : Microsoft PS/2 mouse
HDD (ATA/100) : IBM DTLA-305020 20GB	PowerSupply : Enlight SI-X145M3 145W
VGA : ATI Xpert 128 AGP	O.S. Environment : Windows 2000
DVD-ROM : Afreedy DD4008E 8X	



NO.	Over clock level		Test Result				
	FSB	CPU ID	Cool boot	Install OS	PM	Winstone 2000	3D Mark 2001
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 933	PCI 1 : Adaptec 39160 SCSI card
Cache Memory : 256 K	PCI 2 : Accton EN1207D LAN card
Memory : SDRAM 256MB (128MB x 2)	CNR : Taicom 56KV.90 Modem card
HDD 1 : IBM DTLA-305020 20GB	Audio : Onboard AD1885 AC'97 Audio
HDD2 : Maxtor 92049U4 20GB	Mouse : Microsoft PS/2 mouse
HDD3 : Maxtor 91360U4 13.6GB	PowerSupply : Enlight SI-X145M3 145W
DVD-ROM : Afreedy DD4008E 8X	O.S. Environment: Windows 98 SE
VGA : Intel 815E onboard	
FDD : NEC FD1231T 1.44MB	

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 P-III 1.13GHz	FDD : NEC FD1231T 1.44MB
Cache Memory : 256 K	PowerSupply : HIPRO HP-146SSG 145W SFX
Memory : SDRAM 256MB (128MB x 2)	
VGA : Intel 815E onboard	

Test Result	
Cool Boot (over 700 times)	Pass

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

Software Name	Duration	Result
CC Winstone 2001 Under WIN ME	12hr.	Pass
Test Configurations for Win ME	Intel Pentium III 1.13GHz Maxtor 93073H6 ATA/100 30.7GB HDD SIEMENS 512MB SDRAM Memory.(SIEMENS) Intel 815E Onboard AGP	
Winstone 2001 Under WIN 2000	12hr.	Pass



Test Configurations for Windows 2000	Intel Pentium III 1.13GHz Maxtor 98196H6 ATA/100 80GB HDD SIEMENS 512MB SDRAM Memory.(SIEMENS) Intel 815E Onboard AGP
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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 WD Caviar WD400 40GB IDE ☒ ATA/66 ☒ ATA/100

Channel: ☒ PM ☒ PS ☒ SM ☒ SS

VGA Intel 815E ☒ Onboard ☒ AGP 4X

CD-ROM Lite-On LTN-403L 40X IDE Channel: ☒ PM ☒ PS ☒ SM ☒ SS

Sound AD1885 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.
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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	K4S640832D-TC75	No	256MB	D	TS16MLS64V6W (SEC)
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	
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 Fujitsu MPE3102AH 10.2GB ☒ ATA/66 ☐ ATA/100
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS
 CD-ROM Pioneer DVD-105S 16X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS
 Sound AD1885 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	4.13.7094
	Rage 128GL	All-In-Wonder 128	4.13.7094
	Rage 128GL	XPert 128	4.13.7094
	Rage 128VR	XPert 2000	4.13.7093
	Rage XL	Rage XL	4.12.2647
ASUS	Riva TNT	AGP-V3400TNT	4.12.01.0631
Matrox	MGA-G200	Millennium G200	4.12.01.2730
	MGA-G200A	Millennium G200 LE	4.12.01.2730
	MGA-G400	Millennium G400 DH	4.12.01.1810
Creative	Riva TNT2 Ultra	3D Blaster Riva TNT2 Ultra	4.12.01.0650
	Riva TNT2 M64	Riva TNT2 Value	4.12.01.0650
ELSA	Riva TNT	ERAZOR II	4.12.01.0650
Mitac	Voodoo 3 1000	Voodoo 3 1000	4.12.01.0666
	Riva TNT2 Vanta LT	TNT2 Vanta LT	4.12.01.0650
Leadtek	Riva TNT2 Ultra	Winfast 3D 320II Ultra	4.12.01.0648
	SiS 300	Winfast VR300	4.12.01.1030
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
	Voodoo 5 5500	Voodoo 3 5500	4.12.01.0666

8.2.1.2 4X AGP Display Adapter Products

Vendor	Model Name	Product Description	Driver version
Leadtek	Riva TNT2 Vanta	WinFast 3D S320V	4.12.01.0648
	Riva TNT2 M64	WinFast 3D S325	4.12.01.0648
	GeForce256	Winfast GeForce 256	4.12.01.0648

	GeForce256 GTS	Winfast GeForce 2 GTS	4.12.01.0648
	GeForce2 MX	Winfast GeForce2 MX	4.12.01.0648
	Riva TNT2 Pro	WinFast 3D S320 II Pro	4.12.01.0648
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	Rage Fury Pro	4.13.7093
	Rage 128 Pro	XPERT 2000 Pro	4.13.7094
	Rage 128 Pro	All-In-Wonder 128 Pro	4.13.7093
	Radeon	Radeon	4.13.7103
	Radeon	All-In-Wonder Radeon	4.13.7103
Cardex	S3 Savage 2000	Cardexpert Savage 2000	4.12.01.9015
	Riva TNT2 Vanta	Cardexpert TNT2 Vanta	4.12.01.0650
	GeForce2 MX	GeForce2 MX	4.12.01.0650
ASUS	Riva TNT2 Pro	AGP-V3800 Pro	4.12.01.0631
	Riva GeForce 256	AGP-V6600	4.12.01.0631
	GeForce256 DDR	AGP-V6800	4.12.01.0631
	GeForce2 MX	AGP-V7100	4.12.01.0631
	Riva GeForce2 GTS	AGP-V7700	4.12.01.0631
	Riva GeForce2 GTS	AGP-V7700 Deluxe	4.12.01.0631
Creative	Riva Geforce 256	3D Blaster GeForce256	4.12.01.0650
	Riva Geforce 256	3D Blaster GeForce Pro	4.12.01.0650
	GeForce2 GTS	3D Blaster Geforce2 GTS	4.12.01.0650
ELSA	Riva TNT2	ERAZOR III	4.12.01.0756
	Riva TNT2	Synergy II	4.12.01.0756
	Riva TNT2 M64	ERAZOR III LT	4.12.01.0756
	Riva TNT2 Vanta	ERAZOR III LT-16	4.12.01.0756
	Riva TNT2 Pro	ERAZOR III Pro	4.12.01.0756
	Riva Geforce2 GTS	GLADIAC	4.12.01.0756
	Riva GeForce 256	ERAZOR X	4.12.01.0756
	Riva GeForce 256 DDR	ERAZOR X ²	4.12.01.0756
	GeForce2 MX	GLADIAC MX	4.12.01.0756
	GeForce2 Ultra	GLADIAC Ultra	4.12.01.0756
	GeForce2 MX 400	GLADIAC 511	4.12.01.0756

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	Voodoo 5-5500	3dfx Voodoo 5-5500 PCI
3dfx	Voodoo 3-3000	3dfx Voodoo 3-3000 PCI

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 Apacer 128MB (Infineon)) **Total: 256 MB** ☐PC100 ☒PC133
VGA Intel 815E ☒Onboard ☐AGP 4X
HDD IBM DDYS-T36950 36GB SCSI HDD ☐Ultra II SCSI ☒Ultra Wide
CD-ROM Toshiba XM-6210B 32X SCSI CD-ROM ☒Ultra SCSI ☐Ultra Wide
Sound AD1885 AC'97 ☐PCI_Slot:___ ☒On board
Mouse Logitech MouseMan Mouse ☐COM ☒PS/2

The following PCI SCSI cards run Winstone 2001/Large file copy under Windows ME and CC Winstone 2001 under Win 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-29160N	Adaptec Ultra 160 PCI SCSI card 29160	PCI
	ASC-39160	Adaptec Ultra 160 PCI SCSI card 39160	PCI
Tekram	DC-390U3W	Tekram DC-390U2W PCI SCSI	PCI

8.2.3 FAX /CNR Modem Products

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000 ,
CPU Intel Pentium III 800MHz ☒Intel
Memory Buffalo 128MB(Hyundai) **Total: 256 MB** ☐PC100 ☒PC133
VGA Intel 815E ☒Onboard ☐AGP 4X
HDD Maxtor 92049U4 20.4GB IDE ☒ATA/66 ☐ATA/100
Channel: ☒PM ☐PS ☐SM ☐SS
CD-ROM Actima AD10S 10X IDE DVD **Channel:** ☐PM ☐PS ☒SM ☐SS
Sound AD1885 AC'97 ☐PCI_Slot:___ ☒On board
Mouse Microsoft IntelliMouse PS/2 Mouse ☐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
TAICOM	56KV.90 Modem Riser Card (MC810)	CNR
Askey	1456VQH75	Internal/PCI
Archtek	A12PW19085A 56Kbps	Internal/PCI

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 KingMax 128MB (KingMax) **Total: 256 MB** ☐PC100 ☒PC133



VGA Intel 815E

☒ Onboard ☐ AGP 4X

SCSI Adaptec 29160N Ultra2 Wide SCSI

☐ ISA ☒ PCI_Solt: 2.

Mouse Logitech First Mouse+ Mouse

☐ COM ☒ PS/2

The following SCSI devices test and WinStone 99 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	DDRS-39130	UltraII SCSI HDD 9.1GB
		DMVS IEC-950	Ultra2 Wide 36GB
	Seagate	ST-39173W	Barracuda 9LP Ultra Wide 9.1GB
		ST318436LW	Barracuda Ultra160 Wide 18GB
		ST318404LW	Cheetah Ultra160 Wide 18GB
CD-ROM CD-RW	Plextor	ST-34502LW	Cheetah 9LP Ultra2 Wide 4.5GB
		PX-40Tsi	Ultra SCSI CD-ROM 40X
	Toshiba	XM-6210B	Ultra SCSI CD-ROM 32X
		NEC	CDR-1910
	SONY	CDU-625	Ultra SCSI CD-ROM 32X
		CD-523S	SCSI-II CD-ROM 24X
	TEAC	CD-523S	Ultra SCSI CD-ROM 32X
		CD-R56S	SCSI-II CD-ROM 24R/6W/4RW

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

☒ Intel

Memory KingStone 128MB(IBM)

Total: 256 MB ☐ PC100 ☒ PC133

CD-ROM Pioneer DVD-116 16X IDE DVD

Channel: ☐ PM ☐ PS ☒ SM ☐ SS

VGA Intel 815E

☒ Onboard ☐ AGP 4X

Sound AD1885 AC'97

PCI Slot: __, ☒ On board

Mouse Logitech First Mouse+ Mouse

COM ☒ PS/2

The following IDE devices test and WinStone 2001/Copy large files under Windows ME/2000 with Intel ATA Storage 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 DMA 66	13GB
	AC205B	Ultra DMA 66	20.5GB
Seagate	ST-313032A	Ultra DMA 66	13GB
	ST-317242A	Ultra DMA 66	17.2GB
	ST-328040A	Ultra DMA 66	28.5GB
Fujitsu	MPE3102AT	Ultra DMA 66	10.2GB
	MPE3102AH	Ultra DMA 66	10.2GB
	MPE3204AT	Ultra DMA 66	20.4GB
	MPE3204AH	Ultra DMA 66	20.4GB
Quantum	Fireball KA	Ultra DMA 66	13.6GB
	Fireball lct LC	Ultra DMA 66	15GB
	Fireball lct LC	Ultra DMA 66	20GB
	Fireball Plus LM	Ultra DMA 66	20.5GB
	Fireball LM	Ultra DMA 66	30GB
IBM	DJNA-352030	Ultra DMA 66	20.3GB
	DPTA-372730	Ultra DMA 66	27.3GB
	DPTA-353750	Ultra DMA 66	37.5GB
Maxtor	91021U2	Ultra DMA 66	10.2GB
	91360U4	Ultra DMA 66	13.6GB
	91531U3	Ultra DMA 66	15.3GB
	92040U6	Ultra DMA 66	20GB
	92049U4	Ultra DMA 66	20GB
	92720U8	Ultra DMA 66	27GB
	93073U6	Ultra DMA 66	30.7GB
	53073U6	Ultra DMA 66	30.7GB
	94098U8	Ultra DMA 66	40GB
	54098U8	Ultra DMA 66	40GB
Samsung	SV2046D	Ultra DMA 66	20.4GB

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
	54098H8	Ultra ATA 100	40.9GB



Seagate	5T060H6	Ultra ATA 100	61GB
	98196H8	Ultra ATA 100	80GB
	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
Fujitsu	MPG3204AT	Ultra ATA 100	20.4GB
	MPG3307AT	Ultra ATA 100	30.7GB
Samsung	SV3063H	Ultra ATA 100	30.6GB

8.3.3 Floppy Disk Drive Products

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000
 CPU Intel Pentium III 700MHz ☒ Intel
 Memory SIMONS 128MB (NEC) Total: 256 MB ☐ PC66 ☒ PC100
 VGA Intel 815E ☒ Onboard ☐ AGP 4X
 HDD Maxtor 53073H6 30.7GB IDE ☐ ATA/66 ☒ ATA/100
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS
 CD-ROM ASUS DD-E612 12X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS
 Sound AD1885 AC'97 ☐ PCI Slot: ☒ On board
 Mouse Logitech MouseMan Mouse ☐ COM ☒ PS/2

The following Floppy devices were tested by format disk, boot and read/write file under under Windows ME with Intel ATA Storage drivers installed .

Vendor	Model Name	Product Description
Panasonic	JU-257A606P	1.44MB Floppy Disk Drive
TEAC	FD-235HF	1.44 MB Floppy Disk Drive
SONY	MPF920-E	1.44 MB Floppy Disk Drive
NEC	FD1231T	1.44 MB Floppy Disk Drive

8.3.4 ATAPI CD-ROM /DVD-ROM Device Product

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000 .
 CPU Intel Pentium III 933MHz ☒ Intel
 Memory Apacer 128MB (Infineon) Total: 256 MB ☒ PC100 ☒ PC133
 HDD Maxtor 52049H4 20.4GB IDE ☒ ATA/66 ☒ ATA/100
 Channel: ☒ PM ☒ PS ☒ SM ☒ SS
 VGA Intel 815E ☒ Onboard ☒ AGP 4X
 Sound AD1885 AC'97 ☒ PCI_Slot: ☒ On board
 Mouse Logitech TrackmanMarble Mouse ☒ COM ☒ PS/2

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

8.3.4.1 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

8.3.4.2 ATAPI DVD-ROM:

Vendor	Model Name	Product Description
ASUS	DVD-E608	ATAPI DVD-ROM 8X
	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 8.0X
	SR-8587-B	ATAPI DVD-ROM 16X
Acer	DVP1640A	ATAPI DVD-ROM 16X
Afreedy	DD-4008E	ATAPI DVD-ROM 8X
	DD-4010E	ATAPI DVD-ROM 10X
Creative	DVD1242E	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 Pentium III 1.0GHz ☒ Intel
 Memory KingSton 64MB (Infineon) Total: 128 MB ☐ PC100 ☒ PC133
 HDD IBM DTLA-305020 20GB IDE ☐ ATA/66 ☒ ATA/100
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS
 CD-ROM Panasonic SR-8585B 8X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS
 VGA Intel 815E ☒ Onboard ☐ AGP 4X
 Sound AD1885 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 Intel ATA Storage drivers installed.

Vendor	Product Description	Bus I/F
HP	HP LaserJet 6P support IR Interface	LPT/IR
EPSON	Stylus Color 900	LPT
Mustek	Mustek 1200CP Scanner	LPT
Parallel	DirectParallel universal cable	LPT
iomega	Parallel ZIP 250	LPT
Logitech	WingMan Formula Force joystick	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 98 SE Ver: 4.10.2222A
 CPU Intel Pentium III 1.13GHz ☒ Intel
 Memory KingMAX 256MB (KingMAX) Total: 512 MB ☐ PC100 ☒ PC133
 HDD Fujitsu MPG3307AT 30.7GB IDE ☐ ATA/66 ☒ ATA/100
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS
 CD-ROM Lite-On LTD-122 12X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS
 VGA Intel 815E ☒ Onboard ☐ AGP 4X
 Sound AD1885 AC'97 ☐ PCI Slot: __, ☒ On board

The following Mouse devices test Office 2000 and Game under Windows 98 SE with Mouse drivers installed.

Vendor	Product Description	Bus I/F
Microsoft	IntelliMouse Serial Mouse	Serial/ PS2
	IntelliMouse USB/PS2 Mouse (w IntelliEye)	USB/PS2
	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 TrackMan Marble Serial Mouse	Serial/ PS2
	Logitech Wheel Mouse (Optical)	USB/PS2
Genius	NetScroll Optical	PS2
Samsung	Cyber Beetle Mouse (Optical)	PS2

8.4.3 USB Device Products

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000

CPU Intel Pentium III 1.0GHz ☒ Intel

Memory KingSton 64MB (Infineon) Total: 128 MB ☐ PC100 ☒ PC133

HDD IBM DTLA-305020 20GB IDE ☐ ATA/66 ☒ ATA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

CD-ROM Panasonic SR-8585B 8X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS

VGA Intel 815E ☒ Onboard ☐ AGP 4X

Sound AD1885 AC'97 ☐ PCI_Slot: ☒ On board

Mouse Logitech TrackMan Marble Mouse ☐ COM ☒ PS/2

The following USB devices be tested under Windows ME with Win ME 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
	Justy	UM-400
	XNTC	98NS1-U2
	Cypress	7-895 Mouse
HUB	Belkin	Express Bus F5U001
Camera	Kodak	DVC323
	IBM	XVP610
	AXIS	PCAM-QU
Faxmodem	USRobotics	56K Voice Faxmodem
Keyboard	BTC	8113W
	Jetime	ACK-298H
	Microsoft	Natural Keyboard Pro
Printer	EPSON	Stylus Color 740
		Stylus Color 900
Ethernet	CATC	USB to Lan 10BASE-T
Scanner	EPSON	GT-7000
ZIP	iomega	ZIP 250
CD-RW	SONY	Spessa CD-ReWritable Recorder
GamePad	Creative	Cobra USB GamePad



Joystick	Logitech	WingMan Extreme USB GamePad
	Genius	Flight2000 F-22X
	Microsoft	SideWinder Precision 2
	Logitech	WingMan Formula Force joystick
	Thrustmaster	TOP Gun

8.4.4 Joystick & Game Pad

Test Configuration:

OS Ver ☒ Win 98 SE Ver: 4.10.2222A.

CPU Intel Pentium III 1.13GHz ☒ Intel

Memory KingMAX 256MB (KingMAX) Total: 512 MB ☐ PC100 ☒ PC133

HDD Fujitsu MPG3307AT 30.7GB IDE ☐ ATA/66 ☒ ATA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

CD-ROM Lite-On LTD-122 12X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS

VGA Intel 815E ☒ Onboard ☐ AGP 4X

Sound AD1885 AC'97 ☐ PCI Slot: __, ☒ On board

Mouse Microsoft IntelliMouse Mouse ☐ COM ☒ PS/2

The following Joystick & Game Pad devices test Game(Microsoft/ Crimson Skies) under Windows 98 SE 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 98 SE Ver: 4.10.2222A.

CPU Intel Pentium III 1.13GHz ☒ Intel

Memory KingSton 128MB(Toshiba) Total: 256 MB ☐ PC100 ☒ PC133

HDD IBM DTLA-307030 30GB IDE ☐ ATA/66 ☒ ATA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

CD-ROM ASUS DVD-E612 12X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS

VGA Intel 815E ☒ Onboard ☐ AGP 4X

Sound AD1885 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 98 SE with over 10 times.

Vendor	Product Description	Power	Type
DELTA	DPS-145PB-91 A Rev:00	145W	SFX
	DPS-145PB-101 B Rev:02	145W	SFX
	DPS-145PB-111 A Rev:00	145W	SFX
Seventeam	ST-150MK	150W	SFX
Enlight	SFX-1215A	150W	SFX
	SI-X145M3 REV:B0	145W	SFX
Liteon	PS-5141-4	145W	SFX
SIR TEC	SI-C145M2 REV:C0	145W	SFX
	SI-X145M3 REV:B1	145W	SFX
HIPRO	HP-A1463F5 Rev:03	145W	SFX
	HP-146SSG Rev:X01	145W	SFX

8.6 MPEG-2 DVD Display Products

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000

CPU Intel Pentium III 933MHz ☒ Intel

Memory KingStone 128MB(Infineon) Total: 256 MB ☐ PC100 ☒ PC133

HDD IBM DJNA-371350 13.5GB IDE ☒ ATA/66 ☐ ATA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

CD-ROM Creative DVD1242E 12X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS

VGA Intel 815E ☒ Onboard ☐ AGP 4X

Sound AD1885 AC'97 ☐ PCI Slot: ☒ On board

Mouse Microsoft IntelliMouse Mouse ☐ COM ☒ PS/2

The following DVD player under Windows ME with their respective DVD drivers installed and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 85Hz, small font.

Vendor	VGA Chip	Product Description
Realmagic	Sigma Designs EM8300	DVDMagic Pro DVD card
Creative	Creative CT7235-VBQ	PC-DVD ENCORE
Formosa	Sigma Designs EM8300	DVD8300 DVD card

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 ☒ Intel
 Memory Buffalo 128MB(Hyundai) Total: 256 MB ☐ PC100 ☒ PC133
 HDD Fujitsu MPG3307AT 30.7GB IDE ☐ ATA/66 ☒ ATA/100
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS
 VGA Intel 815E ☒ Onboard ☐ AGP 4X
 Sound AD1885 AC'97 ☐ PCI_Slot: __ ☒ On board
 CD-ROM ASUS DD-E612 12X 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	
FIC CD-PRO all M/B drivers Install & Test	PASS	
FIC CD-PRO all Application Install & Test (LogoGenie,FirstAID)	PASS	
CoreTest 92 (Transfer Rate test)	PASS	
Large file Copy from CD/DVD-ROM (one file Over 500MB)	PASS	
Device Management check (No Caution)	PASS	
VGA Resolution/Color change (800x600x32bit / 1024x768x16bit)	PASS	
Install Office 2000	PASS	
Auto Shutdown (system power off)	PASS	
VCD/DVD play (name: Runaway Bride)	PASS	
Power Management (Stand By function)	Power button	PASS
	Keyboard Sleep Key (98keyboard)	PASS
	Start → Stand By item	PASS
	Time Out	PASS
WinStone 2001	PASS	39
CC WinStone 2001	PASS	42.2

WinBench 99 V1.2 (BD/BG/CPU/FPU/HD/HG)	PASS	
3D Mark 2001	PASS	855

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:

Test Configuration:

CPU Intel Pentium III 1.0GHz ☒ Intel
 Memory Buffalo 128MB(SEC) Total: 256 MB ☐ PC100 ☒ PC133
 HDD IBM DTLA-307060 61.4GB IDE ☐ PIO4 ☐ ATA/66 ☒ ATA/100
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS
 VGA Intel 815E ☒ Onboard ☐ AGP 4X
 Sound AD1885 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: Runaway Bride)		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	38
CC WinStone 2001		PASS	49
WinBench 99 (BD/BG/CPU/FPU/HD/HG)		PASS	
3D Mark 2001		PASS	882

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

9.1.3 *Microsoft Windows NT 4.0 + Service Pack 6:*

Test Configuration:

CPU Intel Pentium III 1.0GHz ☒ Intel
Memory KingMAX 128MB(KingMAX) Total: 256 MB ☐ PC100 ☒ PC133
HDD IBM DTLA-307045 46.1GB IDE ☐ PIO4 ☐ ATA/66 ☒ ATA/100
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
VGA Intel 815E ☒ Onboard ☐ AGP 4X
Sound AD1885 AC'97 ☐ PCI Slot: ☐ On board
CD-ROM Panasonic SR-8585-B 8X 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	
VCD/DVD play (name: Mercury Rising)	PASS	
PM function by Win NT	PASS	
WinStone 2001	PASS	43.1
CC WinStone 2001	PASS	48.2
WinBench 99 (BD/BG/CPU/FPU/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
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
VGA Matrox Millennium G400 MAX **PCI_Slot:** 2 ☐ AGP
CD-ROM Acer DVP 1640A 16X IDE DVD **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	
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 KingSton 64MB (Infineon) **Total:** 128 MB ☐ PC100 ☒ PC133
HDD Maxtor 53073H6 30.7GB IDE **PIO4** ☒ ATA/66
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
VGA Intel 815E ☒ Onboard ☐ AGP 4X
CD-ROM Pioneer DVD-114S 15X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS
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
VGA Intel 815E **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS
Sound AD1885 AC'97 ☒ Onboard ☐ AGP 4X
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	
LS-120/ZIP install & working	PASS	
VCD/DVD play (name: Mercury Rising)	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	40.6
CC WinStone 2001	PASS	42.2
WinBench 99 (BD/BG/CPU/FPU/HD/HG)	PASS	
3D Mark 2001	PASS	844

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 1.0GHz ☒ Intel
Memory Hyundai 256MB(Hyundai) **Total:** 512 MB ☐ PC100 ☒ PC133
HDD Maxtor 53073U6 30.7GB IDE ☐ PIO4 ☐ ATA/66 ☒ ATA/100
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
VGA Intel 815E ☒ Onboard ☐ AGP 4X
Sound AD1885 AC'97 ☐ PCI_Slot:___ ☒ On board
CD-ROM Pioneer DVD-116 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	37.2
CC WinStone 2001		PASS	37.6
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 Shen**OS:** 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*