

# **FIC FR33E PCI SYSTEM BOARD BOARD LEVEL COMPATIBILITY TEST REPORT**

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<b>Supervisor</b>	<b>Tester</b>

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## **Revision History**



Document Release	Date	Change Item	ECN
Revision 1.00	10/05/2001	Initial Release.	



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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** : FR33E PCB Rev 1.2  
**Product Name** : VIA Apollo PLE133T Based Mainboard  
**System BIOS** : Award BIOS Version VEB41  
**PCI IDE** : Internal PCI Mastre dual IDE  
**I/O** : VIA VT686B

## 3. Mainboard CPU Supports:

### Intel :

Processors	Bus	Package	Status	Remark
Celeron 667MHz	66	FC-PGA	Pass	C-Step
Celeron 700MHz	66	FC-PGA	Pass	C-Step
Celeron 733MHz	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 1.0GHz	100	FC-PGA	Pass	D-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)	100/133	FC-PGA	Pass	C-Step
Pentium III 850MHz (Coppermine)	100	FC-PGA	Pass	C/D-Step
Pentium III 866MHz (Coppermine)	133	FC-PGA	Pass	D-Step
Pentium III 933MHz (Coppermine)	133	FC-PGA	Pass	D-Step
Pentium III 1GHz (Coppermine)	100/133	FC-PGA	Pass	D-Step
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 PLE133T (VT8601T_A+686B_C)
System Cache	128K/256K Pipeline Burst SRAM Built-in CPU
System Memory	Maximum : 1GB SDRAM
	168 pins single RAS and Double RAS DIMM RAM Module
System Slots	2 PCI/1 ISA and 1 AMR slots
Audio	OnChip VIA VT686B AC'97 Audio on board
LAN	Onboard Realtek RTL8100L
IO Corelogic	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/XP/Win 2000)	PASS
2	Wake On LAN / Wake On Ring	PASS
3	RTC Alarm Function	PASS
4	H/W Monitoring (+/-12V,+/-5V,Vccp,+5VR)	PASS
5	Ultra ATA-33/66/100 Enhanced IDE Interface	PASS
6	LogoGenie	PASS
7	BIOS Easy Kit	PASS
8	USB Function	PASS
9	Power Failure feature	PASS
10	Year 2000 Compliance	PASS

### 4.2 Main Software Utilities :

Num	M/B function	Version	Result
1	VIA 4 in 1 Chipset Driver	4.32	PASS
2	VIA IRQ Routing Miniport driver	1.30	PASS
3	VIA PLE133T VGA driver for Win 9x/ME	4.13.01.3114	PASS
4	VIA PLE133T VGA driver for Win NT	4.03.00.3114	PASS
5	VIA PLE133T VGA driver for Win 2000	5.13.01.3114	PASS
6	VIA PLE133T VGA driver for Win XP/Home Ed.	6.13.01.3114	PASS
7	VIA VT686B Audio driver for Win 9x/ME/XP/2000	2.00a	PASS
8	Realtek RTL8100L LAN driver for Win 9x/ME/2000	5.397	PASS
9	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
NB Chip FAN Connector	CHIP_FAN	Open	Pass
Clear CMOS	CLR	1-2	Pass
LAN Wake Up	WOL	Open	Pass
Ring Wake Up	WOR	Open	Pass
Front Audio Connector	F_Audio	Open	Pass
Front USB Connector	USB2/3	Open	Pass
Serial IRQ	JP3	Open	Pass

## 6. Stability Test

### 6.1 CPU Over Clock Test: (12 hours)

System Configuration	
<b>CPU</b> : Intel P-III 733	<b>FDD</b> : NEC FD1231T 1.44MB
<b>Cache Memory</b> : 256 K	<b>Audio</b> : Onboard 686B AC'97 Audio
<b>Memory</b> : SDRAM 128MB (64MB x 2)	<b>Mouse</b> : Microsoft PS/2 mouse
<b>HDD (ATA/100)</b> : Seagate ST330631A 30GB	<b>PowerSupply</b> : Enlight SI-145M3 145W SFX
<b>VGA</b> : VIA PLE133T onboard	<b>O.S. Environment</b> : Windows ME
<b>DVD-ROM</b> : Afreedy DD-4008E 8X	

NO.	Over clock level		Test Result				
	FSB	CPU ID	Cool boot	Install OS	PM	Winstone 2001	3D Mark 2001
1	140MHz	777MHz	Pass	Pass	Pass	Pass	Pass

### 6.2 PCB Cool Boot Test: (12 hours)

System Configuration	
<b>CPU</b> : VIA C3 800	<b>FDD</b> : NEC FD1231T 1.44MB
<b>Cache Memory</b> : 256 K	<b>PowerSupply</b> : Hopely ATX-1800SE-P3 180W SFX
<b>Memory</b> : SDRAM 256MB (128MB x 2)	
<b>VGA</b> : VIA PLE133T onboard	

Test Result	
Cool Boot (over 600 times)	Pass





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

Software Name	Duration	Result
Winstone 2001 Under WIN ME	12hr.	<i>Pass</i>
Test Configurations for Win ME	Intel Pentium III 1.0GHz Maxtor 4K080H4 ATA/100 80GB HDD Hynix 256MB SDRAM Memory.(Hyundai) X 2 VIA PLE133T Onboard AGP	
CC Winstone 2001 Under WIN2000	12hr.	<i>Pass</i>
Test Configurations for Win 2000	Intel Pentium III 1.13GHz Seagate ST-380020A ATA/100 80GB HDD Buffalo 64MB SDRAM Memory.(Hitachi) X 2 VIA PLE133T Onboard 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 Celeron 950MHz (Bus clock 100MHz) ☒ Intel  
Intel Pentium III 1.13GHz (Bus clock 133MHz)

HDD IBM DTLA-307015 15.3GB IDE ☒ ATA/66 ☒ ATA/100

Channel: ☒ PM ☒ PS ☒ SM ☒ SS

VGA VIA PLE133T ☒ Onboard ☒ AGP 4X

CD-ROM Creative DVD8400E 8X IDE DVD Channel: ☒ PM ☒ PS ☒ SM ☒ SS

Sound VIA VT686B ☒ ISA 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 and CC Winstone 2001 under Windows 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
Ramaxel	GM72V66841ET7K	No	64MB	S	RMB40L8B3T-8 (AG5)
	GM72V66841ET7K	No	64MB	S	RMB40L8B3T-8 (AA3)
	GM72V66841ET7K	No	128MB	D	RMB40L8B4T-8 (AA7)
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)
Buffalo	W981216AH-75	No	64MB	S	VSJ-S64M2
NEC	D4564841G5-A80-9JF	Yes	128MB	D	BUFFALO VSJ-ED128M2

### 8.1.2 SDRAM DIMM Module (PC133)

Vender	IC Part No.	ECC	Size	Side	Module No.
Hynix	HY57V64820HG T-K	No	64MB	S	HYM76V8635HGT8-K
	HY57V64820HG T-K	No	128MB	D	HYM76V16635HGT8-K
	HY57V28820AT-K	No	128MB	S	HYM71V16635AT8-K
	HY57V28820AT-K	No	256MB	D	HYM71V32635AT8-K
	HY57V28820HCT-K	No	256MB	D	HYM71V32635HCT8-K
Crucial	MT48LC16M8A2-7E	No	128MB	S	CT16M64S4D7E.8T
	MT48LC16M8A2-7E	No	256MB	D	CT32M64S4D7E.16T
	MT48LC16M8A2-7E	Yes	256MB	D	CT32M72S4D7E.18T
KingMAX	KSV684T4A1A-07	No	128MB	S	MPGA83S-683
	KSV684T4A2A-06	No	128MB	S	MPJA83S-68KX3
	KSV684T4A2A-06	No	256MB	D	MPJB63S-68KX3
Transcend	K4S640832D-TC75	No	128MB	D	TS16MLS64V6W (SEC)
	K4S640832D-TC75	No	256MB	D	TS16MLS64V6W (SEC)
	W981208BH-75	No	256MB	D	(Winbond)
Buffalo	W981208AH-75	No	128MB	S	VS133-128M (Winbond)
	5264805FTT75	No	128MB	D	VS133-128M (Hitachi)
	GM72V66841ET7K	No	128MB	D	VS133-128M (Hyundai)
	K4S6408320-TC1H	No	128MB	D	VS133-128M (SEC)
KingSton	TC59SM708FT-75	No	128MB	S	KGM133X64C3/128(Toshiba)
	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)
	K4S560832B-TC75	No	512MB	D	KVR133X64C3/512 (SEC)
PQI	PQ3S168V75	No	256MB	D	DT133256MB-T00951
Infineon	HYB39S256800CT-7.5	Yes	512MB	D	HYS72V64220GU-7.5-C2
Panram	PM72V56841CT-6	No	512MB	D	(SEITEC)
Nanya	NT5SV32M8AT-7K	No	256MB	S	NT256S64V88A0G-7K
	NT5SV32M8AT-7K	No	512MB	D	NT512S64V88A0G-7K

## 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 866MHz

Memory Kington 128MB(Infineon)

HDD Seagate ST-320414A 20GB

CD-ROM Pioneer DVD-116 16X IDE DVD

Sound VIA VT686B

Mouse Logitech MouseMan Mouse

☒ Intel

Total: 256 MB ☐ PC100 ☒ PC133

☐ ATA/66 ☒ ATA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

Channel: ☐ PM ☐ PS ☒ SM ☐ SS

☐ ISA\_Slot: ☒ Onboard

☐ COM ☒ PS/2

The following PCI VGA cards test 3Dmark 2001/Winbench 99/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.

### PCI Display Adapter Products

Vendor	VGA Chip	Product Description
Creative	S3 Savage 4	3D Blaster Savage 4
Cardex	SiS 6326	Cardexpert 6326
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 800MHz

☒ Intel

Memory Transcend 128MB(SEC)

Total: 256 MB ☒ PC100 ☒ PC133

VGA VIA PLE133T

☒ Onboard ☒ AGP 4X

HDD IBM DMVS IEC-950 36GB

☒ Ultra SCSI ☒ Ultra Wide

CD-ROM Toshiba XM-6210B 32X SCSI

☒ Ultra SCSI ☒ Ultra Wide

Sound VIA VT686B

☒ ISA 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-29160	Adaptec Ultra 160 PCI SCSI card 29160	PCI
Tekram	DC-390U2W	Tekram DC-390U2W PCI SCSI	PCI

### 8.2.3 FAX /AMR Modem Products

#### Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000 .  
CPU Intel Pentium III 800MHz ☒ Intel  
Memory KingMax 64MB(KingMax) Total: 128 MB ☐ PC100 ☒ PC133  
VGA VIA PLE133T ☒ Onboard ☐ AGP 4X  
HDD Seagate ST-330631A 30.6GB IDE ☐ ATA/66 ☒ ATA/100  
Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
CD-ROM Philips PCA323CD 32X IDE Channel: ☐ PM ☐ PS ☒ SM ☐ SS  
Sound VIA VT686B ☐ ISA\_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)	AMR
Well	56KV.90 Modem Riser Card	AMR
CIS	Soft 56K data/Fax/RTAP	Internal/PCI
Askey	1456VQH75	Internal/PCI

### 8.2.4 PCI Audio Products

#### Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000 .  
CPU Intel Pentium III 800MHz ☒ Intel  
Memory KingMax 64MB(KingMax) Total: 128 MB ☐ PC100 ☒ PC133  
VGA VIA PLE133T ☒ Onboard ☐ AGP 4X  
HDD Maxtor 92049U4 20.4GB IDE ☐ ATA/66 ☒ ATA/100  
Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
CD-ROM Acer DVP 1640A 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
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 1.26GHz ☒ Intel  
**Memory** Buffalo 128MB(Hitachi) **Total: 256 MB** ☐ PC100 ☒ PC133  
**VGA** VIA PLE133T ☒ Onboard ☐ AGP 4X  
**HDD1** Fujitsu MPG3204AT 20.4GB IDE ☐ ATA/66 ☒ ATA/100  
**HDD2** Maxtor 51536H2 15.3GB IDE ☐ ATA/66 ☒ ATA/100  
**CD-ROM** Lite-On LTD-122 12X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**Sound** VIA VT686B ☐ ISA\_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** Transcend 128MB (SEC) **Total: 256 MB** ☐ PC100 ☒ PC133  
**VGA** VIA PLE133T ☒ Onboard ☐ AGP 4X  
**SCSI** Adaptec ASC-29160 Ultra160 SCSI ☐ ISA ☒ PCI\_Solt: 1  
**Sound** VIA VT686B ☐ ISA\_Slot: \_\_ ☒ On board  
**Mouse** Logitech First Mouse+ Mouse ☐ COM ☒ PS/2

The following SCSI devices test Large file copy under Windows ME/2000 and test Win 2000 CD boot from SCSI CD-ROM 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

CD-ROM CD-RW		ST-318404LW	Cheetah Ultra160 Wide 18GB
		ST-39236LW	Barracuda Ultra160 Wide 9GB
	Panasonic	CR-508	SCSI-II CD-ROM 24X
	SONY	CDU-625	SCSI-II CD-ROM 24X
	Plextor	PX-40Tsi	Ultra SCSI CD-ROM 40X
	TEAC	CD-523S	Ultra SCSI CD-ROM 32X
	Toshiba	XM-6210B	Ultra SCSI CD-ROM 32X
	Afreedy	CD-2050S	Ultra SCSI CD-ROM 50X
	TEAC	CDR 56S	CD-RW 24X (24R6W)
	Nichimen	CDR-BP3N	CD-RW 32X (32R12W10RW)
	Plextor	PX-W124Tsi	CD-RW 32X (12W/4RW/32R)

### 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 1.13GHz

☒ Intel

Memory Buffalo 128MB (Hyundai)

Total: 256 MB ☐ PC100 ☒ PC133

CD-ROM Panasonic SR-8587-B 16X IDE DVD

Channel: ☐ PPM ☐ PS ☒ SM ☐ SS

VGA VIA PLE133T

☒ Onboard ☐ AGP 4X

Sound VIA VT686B

☐ ISA Slot: ☒ On board

Mouse Logitech First Mouse+ Mouse

☐ COM ☒ PS/2

The following IDE devices test WinStone 2001 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 ATA/66

Vendor	Model Name	Mode	Capacity
Seagate	ST-317242A	Ultra ATA 66	17.2GB
	ST-320420A	Ultra ATA 66	20.4GB
	ST-320423A	Ultra ATA 66	20.4GB
	ST-328040A	Ultra ATA 66	28.5GB
	ST-330630A	Ultra ATA 66	30.6GB
IBM	DJNA-352030	Ultra ATA 66	20.3GB
	DPTA-372730	Ultra ATA 66	27.3GB
	DPTA-353750	Ultra ATA 66	37.5GB
Maxtor	92720U8	Ultra ATA 66	27GB
	93073U6	Ultra ATA 66	30.7GB
	53073U6	Ultra ATA 66	30.7GB
	54098U8	Ultra ATA 66	40.9GB

#### 8.3.2.2 IDE Ultra ATA/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
	IC35L040A	Ultra ATA 100	40GB



	DTLA-307045	Ultra ATA 100	46.1GB
	DTLA-307060	Ultra ATA 100	61.4GB
	IC35L060A	Ultra ATA 100	61.5GB
	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
	34098H4	Ultra ATA 100	40.9GB
	54098H8	Ultra ATA 100	40.9GB
	4K040H2	Ultra ATA 100	40GB
	5T060H6	Ultra ATA 100	61GB
	98196H8	Ultra ATA 100	80GB
	4K080H4	Ultra ATA 100	80GB
	4W100H6	Ultra ATA 100	100GB
Seagate	ST320414A	Ultra ATA 100	20GB
	ST330631A	Ultra ATA 100	30.6GB
	ST340824A	Ultra ATA 100	40GB
	ST380020A	Ultra ATA 100	80GB
	ST380021A	Ultra ATA 100	80GB
WD	Caviar WD300	Ultra ATA 100	30GB
	Caviar WD400	Ultra ATA 100	40GB
	Caviar WD600	Ultra ATA 100	60GB
	Caviar WD800	Ultra ATA 100	80GB
Fujitsu	MPG3204AT	Ultra ATA 100	20.4GB
	MPG3307AT	Ultra ATA 100	30.7GB
	MPG3409AT	Ultra ATA 100	40.9GB
Samsung	SV3063H	Ultra ATA 100	30.6GB
	SV4084H	Ultra ATA 100	40.8GB



### 8.3.3 ATAPI CD-ROM /DVD-ROM Device Product

#### Test Configuration:

OS Ver ☒ Win XP/HomeEd. Ver: 5.01.2600 .  
 CPU Intel Pentium III 1.26GHz ☒ Intel  
 Memory Buffalo 128MB (Hitachi) Total: 256 MB ☒ PC100 ☒ PC133  
 VGA VIA PLE133T ☒ Onboard ☒ AGP 4X  
 Sound VIA VT686B ☒ ISA Slot:    ☒ On board  
 Mouse Logitech First Mouse+ Mouse ☒ COM ☒ PS/2

The following IDE devices test play VCD or DVD under windows XP with OS default drivers 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
Acer	650P	50X UDMA2
AOpen	CD-952E/AKH	52XUDMA2
LITE-ON	LTN-403L	40X UDMA2
	LTN-485S	48X UDMA2
Creative	CD4833E	48X Mode4
	CD5220E	52X Mode4
TEAC	CD-540E	40X UDMA2
SONY	CDU4811	48X UDMA2
BTC	BCD 48SB	48X UDMA2
ASUS	CD-S500/A	50X UDMA2
LG	CRD-8522B	52X Mode4

#### 8.3.3.2 ATAPI DVD-ROM:

Vendor	Model Name	Product Description
SONY	DDU1211	12X
	DDU1621	16X
Panasonic	SR-8587-B	16X
Pioneer	DVD-114	10X
	DVD-115	16X
	DVD-105S	16X
	DVD-116	16X UDMA/66
Afreedy	DD-4010E	10X
Creative	DVD1242E	12X
Acer	DVP 1640A	16X
ASUS	DVD-E612	12X
Lite-On	LTD-122	12X
	LTD-163	16X
Actima	AD10S	10X
	AD12H	12X
LG	DRD-8120B	12X
NEC	DV-5700B	12X UDMA33
	DV-5800A	16X UDMA33



## 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 733MHz ☒ Intel

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

HDD IBM IC35L040A 40GB IDE ☐ ATA/66 ☒ ATA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

CD-ROM Panasonic SR-8587-R 16X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS

VGA VIA PLE133T ☒ Onboard ☐ AGP 4X

Sound VIA VT686B ☐ ISA Slot: ☐ On board

Mouse Logitech TrackMan Marble Mouse ☐ COM ☒ PS/2

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

Vendor	Product Description	Bus I/F
HP	HP LaserJet 6P Printer support IR Interface	LPT/IR
EPSON	Stylus Color 900 Printer	LPT
Mustek	Plug-N-Scan 1200CP EPP Scanner	LPT
iomega	Parallel ZIP 250	LPT
3COM	U.S.Robotics 56K Faxmodem	COM
ELSA	MicroLink 56K Internet	COM
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 Celeron 950MHz ☒ Intel

Memory Crucial 128MB (Micron) Total: 128 MB ☐ PC100 ☒ PC133

HDD Maxtor 92040U6 20.4GB IDE ☐ ATA/66 ☒ ATA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

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

VGA VIA PLE133T ☒ Onboard ☐ AGP 4X

Sound VIA VT686B ☐ ISA Slot: ☐ On board

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

Vendor	Product Description	Bus I/F
--------	---------------------	---------

Microsoft	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	PS2
	Logitech First Mouse+ Serial Mouse	PS2
	Logitech TrackMan Marble Serial Mouse	PS2
	Logitech Wheel Mouse (Optical)	USB/PS2

### 8.4.3 USB Device Products

#### Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000

CPU Intel Pentium III 750MHz ☒ Intel

Memory KingMax 128MB(KingMax) Total: 128 MB ☐ PC100 ☒ PC133

HDD IBM DJNA-305020 20.3GB IDE ☒ ATA/66 ☐ ATA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

CD-ROM ASUS CD-S500/A 50X IDE Channel: ☐ PM ☐ PS ☒ SM ☐ SS

VGA VIA PLE133T ☒ Onboard ☐ AGP 4X

Sound VIA VT686B ☐ ISA\_Slot: ☒ On board

Mouse Logitech First Mouse+ 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 MouseMan Wheel (M-BA47)
	Microsoft	IntelliMouse Optical USB Mouse
		IntelliMouse explorer USB Mouse
HUB	Macally	MHUB-01 USB Hub
	SOHOUSB	Unique Energy Saving
Camera	Kodak	DVC323
	IBM	XVP610
Faxmodem	Well	56K Faxmodem (FM-56USB-ST)
Keyboard	Microsoft	Natural Keyboard Pro
Printer	EPSON	Stylus Color 740
		Stylus Color 900
FDD		Generic USB FDD
Joystick	Microsoft	SideWinder Strategic Commander
	Microsoft	SideWinder Game Voice
GamePad	Creative	Cobra USB GamePad
	Logitech	WingMan Extreme USB GamePad



## 8.5 Power Supply Products

### Test Configuration:

OS Ver ☒ Win 2000 Ver: 5.00.2195 .  
CPU Intel Pentium III 800MHz ☒ Intel  
Memory Transcend 128MB(SEC) Total: 256 MB ☐ PC100 ☒ PC133  
HDD IBM DTLA-307030 30GB IDE ☐ ATA/66 ☒ ATA/100  
Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
CD-ROM Lite-On LTN-122 12X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS  
VGA VIA PLE133T ☒ Onboard ☐ AGP 4X  
Sound VIA VT686B ☐ ISA\_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-75UB-1	75W	SFX
	DPS-88AB	88W	SFX
	DPS-145PB-91 A Rev:00	145W	SFX
	DPS-145PB-101B Rev:02	145W	SFX
	DPS-145PB-111 A Rev:00	145W	SFX
SIR TEC	SI-C145M2 REV:C0	145W	SFX
	SI-X145M3 REV:B1	145W	SFX
Seventeam	ST-150MK	150W	SFX
Enlight	SFX-1215A	150W	SFX
	SI-X145M3 REV:B0	145W	SFX
HIPRO	HP-A1463F5 Rev:03	145W	SFX
	HP-146SSG Rev:X01	145W	SFX
Liteon	PS-5141-4	145W	SFX

## 9. Software Compatibility Test Suite

### 9.1 Base Operating System

#### 9.1.1 Microsoft Windows 98 SE:

#### Test Configuration:



**CPU** Intel Pentium III 800MHz ☒ Intel  
**Memory** Transcend 256MB(SEC) **Total: 512 MB** ☒ PC100 ☒ PC133  
**HDD** WD Caviar 400 40GB IDE ☒ ATA/66 ☒ ATA/100  
**Channel:** ☒ PM ☒ PS ☒ SM ☒ SS  
**VGA** VIA PLE133T ☒ Onboard ☒ AGP 4X  
**Sound** VIA VT686B ☒ PCI\_Slot: \_\_ ☒ On board  
**LAN** Realtek RTL8100L ☒ PCI\_Slot: \_\_ ☒ On board  
**CD-ROM** NEC DV-5800A 16X IDE DVD **Channel:** ☒ PM ☒ PS ☒ SM ☒ SS  
**Mouse** Microsoft IntelliMouse Mouse ☒ COM ☒ PS/2

Test	Item	Result	Result
<b>FDISK (FAT32)</b>		PASS	
<b>Install OS</b>		PASS	
<b>Format FDD</b>		PASS	
<b>Large file Copy (Over 500MB)</b>		PASS	
<b>FIC CD-PRO all M/B drivers Install &amp; Test</b>		PASS	
<b>FIC CD-PRO all Application Install &amp; Test (LogoGenie,FirstAID)</b>		PASS	
<b>FIC CD-Plus V2.0 Auto run test</b>		PASS	
<b>CoreTest 92 (Transfer Rate test)</b>		PASS	
<b>Large file Copy from CD/DVD-ROM (one file Over 500MB)</b>		PASS	
<b>Device Management check (No Caution)</b>		PASS	
<b>VGA Resolution/Color change (800x600x32bit / 1024x768x16bit)</b>		PASS	
<b>Defrag test</b>		PASS	
<b>Install Office XP</b>		PASS	
<b>Auto Shutdown (system power off)</b>		PASS	
<b>VCD/DVD play (name: Runaway Bride )</b>		PASS	
<b>Power Management (Stand By function)</b>	<b>Power button</b>	PASS	
	<b>Keyboard Sleep Key (98keyboard)</b>	PASS	
	<b>Start → Stand By item</b>	PASS	
	<b>Time Out</b>	PASS	
<b>S3 (Suspend To Memory)</b>	<b>Power button</b>	PASS	
	<b>Keyboard Sleep Key (98keyboard)</b>	PASS	
	<b>Start → Stand By item</b>	PASS	
	<b>Time Out</b>	PASS	
<b>System Shutdown</b>	<b>Power button (Setting from PM)</b>	PASS	
	<b>Start → Shut down item</b>	PASS	
<b>WinStone 2001</b>		PASS	37.5
<b>CC WinStone 2001</b>		PASS	39.6
<b>WinBench 99 V2.0 (BD/BG/CPU/FPU/HD/HG)</b>		PASS	
<b>3D Mark 2001</b>		PASS	209

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 ME: Test Configuration:

**CPU** Intel Pentium III 800MHz ☒ 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** VIA PLE133T ☒ **Onboard** **AGP 4X**  
**Sound** VIA VT686B **PCI\_Slot:** **On board**  
**LAN** Realtek RTL8100L **PCI\_Slot:** **On board**  
**CD-ROM** SONY DDU1621 16X IDE DVD **Channel:** **PM** **PS** ☒ **SM** **SS**  
**Mouse** Microsoft IntelliMouse Mouse **COM** ☒ **PS/2**

Test Item	Result	Result
<b>FDISK (FAT32)</b>	PASS	
<b>Install OS</b>	PASS	
<b>FIC CD-PRO all M/B drivers Install &amp; Test</b>	PASS	
<b>FIC CD-PRO all Application Install &amp; Test (LogoGenie,FirstAID)</b>	PASS	
<b>Device Management check (No Caution)</b>	PASS	
<b>Large file Copy from CD/DVD-ROM (one file Over 500MB)</b>	PASS	
<b>Install Office XP</b>	PASS	
<b>Media Player 7.0 (play MIDI/MP3/CD Audio)</b>	PASS	
<b>Defrag test</b>	PASS	
<b>VCD/DVD play (name: Mercury Rising )</b>	PASS	
<b>Power Management (Stand By function)</b>	<b>Power button</b>	PASS
	<b>Keyboard Sleep Key (98keyboard)</b>	PASS
	<b>Start → Stand By item</b>	PASS
	<b>Time Out</b>	PASS
<b>S3 (Suspend To Memory)</b>	<b>Power button</b>	PASS
	<b>Keyboard Sleep Key (98keyboard)</b>	PASS
	<b>Start → Stand By item</b>	PASS
	<b>Time Out</b>	PASS
<b>Hibernate (Suspend To Disk)</b>	<b>Power button</b>	PASS
	<b>Start → Hibernate item</b>	PASS
	<b>Time Out</b>	PASS
<b>System Shutdown</b>	<b>Power button (Setting from PM)</b>	PASS
	<b>Start → Shut down item</b>	PASS
<b>RTC Alarm to power on system</b>	<b>Power On from S3</b>	PASS
	<b>Power On from S4</b>	PASS
	<b>Power On from S5</b>	PASS
<b>WinStone 2001</b>	PASS	37
<b>CC WinStone 2001</b>	PASS	39.4
<b>WinBench 99 V2.0 (BD/BG/CPU/FPU/HD/HG)</b>	PASS	
<b>3D Mark 2001</b>	PASS	210

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

### 9.1.3 Microsoft Windows XP/Home Edition:

#### Test Configuration:

**CPU** Intel Pentium III 800MHz ☒ **Intel**  
**Memory** Hynix 256MB(Hyundai) **Total:** 512 MB **PC100** ☒ **PC133**  
**HDD** Maxtor 5T060H6 61GB IDE **PIO4** **ATA/66** ☒ **ATA/100**

Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
☒ Onboard ☐ AGP 4X  
☐ PCI\_Slot: \_\_ ☒ On board  
☐ 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
	Power button (Setting from PM)	PASS
System Shutdown	Start → Shut down item	PASS
	Power On from S3	PASS
RTC Alarm to power on system	Power On from S4	PASS
	Power On from S5	PASS
WinStone 2001	PASS	33
CC WinStone 2001	PASS	44.4
WinBench 99 V2.0 (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
MS Windows XP /Home Edition	5.01.2600	English	Microsoft	Pass

#### 9.1.4 Microsoft Windows 2000 + Service Pack 2:

##### Test Configuration:

CPU Intel Pentium III 800MHz ☒ Intel  
 Memory Hynix 256MB(Hyundai) Total: 512 MB ☐ PC100 ☒ PC133  
 HDD Maxtor 5T060H6 61GB IDE ☐ PIO4 ☐ ATA/66 ☒ ATA/100  
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
☒ Onboard ☐ AGP 4X  
☐ PCI\_Slot: \_\_ ☒ On board  
 VGA VIA PLE133T  
 Sound VIA VT686B



LAN Realtek RTL8100L

PCI Slot: \_\_, ☒ On boardCD-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: <u>Deep Blue Sea</u> )		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	39.1
CC WinStone 2001		PASS	46.6
WinBench 99 V2.0 (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
MS Windows 2000 Professional	5.00.2195	English	Microsoft	Pass
MS Windows 2000 Professional Service Pack	2.0	English	Microsoft	Pass

### 9.1.5 Microsoft Windows NT 4.0 + Service Pack 6:

#### Test Configuration:

CPU Intel Pentium III 800MHz

☒ Intel

Memory KingSton 256MB(Winbond)

Total: 512 MB ☐ PC100 ☒ PC133

HDD IBM DTLA-307060 61GB IDE

☐ PIO4 ☐ ATA/66 ☒ ATA/100Channel: ☒ PM ☐ PS ☐ SM ☐ SS

VGA VIA PLE133T

☒ Onboard ☐ AGP 4X

Sound VIA VT686B

PCI Slot: \_\_, ☒ On board



CD-ROM Lite-On LTD-163 16X 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	40.4
CC WinStone 2001	PASS	45.6
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

### 9.1.6 IBM OS/2 4.0:

#### Test Configuration:

CPU Intel Pentium III 800MHz

☒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 VIA PLE133T

☒Onboard ☐AGP 4X

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	

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

\* VGA use OS/2 default driver, VIA does not support driver for OS/2.



\* VIA does not support audio driver for OS/2.

### 9.1.7 LINUX:

#### Test Configuration:

CPU Intel Pentium III 733MHz ☒ Intel  
Memory KingMax 256MB (KingMax) Total: 256 MB ☐ PC100 ☒ PC133  
HDD Maxtor 54098H8 40.9GB IDE ☐ PIO4 ☐ ATA/66 ☒ ATA/100  
VGA VIA PLE133T Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
Sound VIA VT686B ☒ Onboard ☐ AGP 4X  
CD-ROM ASUS DVD-E612 12X IDE DVD ☐ PCI Slot: ☐ On board  
Mouse Logitech Mouse+ Mouse Channel: ☐ PM ☐ PS ☒ SM ☐ SS  
☐ 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	3.1	English	Pass

\* VGA use Linux default driver(trident Cyber Blade), VIA does not support driver for Open Linux.

\* Audio drivers used Linux default.

### Test Engineer:

BIOS: Benson Shen OS: Scott Lin

I/O : Peter Churg Audio: Stevent Huang

CPU: Lion Liou VGA: Leon Liang

Memory: Bernice Yang IDE Devices: Scott Lin

Check by: Lion Liou

Ownership: Benson Shen