

# **FIC VI11 PCI/AGP SYSTEM BOARD BOARD LEVEL COMPATIBILITY TEST REPORT**

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Supervisor	Tester

### Revision History

Document Release	Date	Change Item	ECN
Revision 1.00	6/13/2002	Initial Release.	
Revision 1.01	7/17/2002	BIOS update version to SAB44 Add support Intel Celeron 1.7/1.8/1.9GHz CPU	M01A02-E-013
Revision 1.02	10/22/2002	BIOS update version to SAB45 Add support Intel Celeron 2.0GHz CPU	M01A02-E-015

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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** : VI11 PCB Rev 1.3  
**Product Name** : SiS 645DX Based Mainboard  
**System BIOS** : Award BIOS Version SAB45  
**PCI IDE** : Internal PCI Mastre dual IDE  
**I/O** : ITE IT8705F

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## 3. Mainboard CPU Supports:

### Intel : (Celeron/L2 cache 128KB)

Intel Processors	FSB	Package	Status
Celeron 1.7GHz	400	FC-PGA2	Pass
Celeron 1.8GHz	400	FC-PGA2	Pass
Celeron 1.9GHz	400	FC-PGA2	Pass
Celeron 2.0GHz	400	FC-PGA2	Pass

### Intel : (Willamette/L2 cache 256KB)

Intel Processors	FSB	Package	Status
Pentium 4 1.4GHz	400	FC-PGA2	Pass
Pentium 4 1.5GHz	400	FC-PGA2	Pass
Pentium 4 1.6GHz	400	FC-PGA2	Pass
Pentium 4 1.7GHz	400	FC-PGA2	Pass
Pentium 4 1.8GHz	400	FC-PGA2	Pass
Pentium 4 1.9GHz	400	FC-PGA2	Pass
Pentium 4 2.0GHz	400	FC-PGA2	Pass

### Intel : (Northwood/L2 cache 512KB)

Intel Processors	FSB	Package	Status
Pentium 4 1.6GHz	400	FC-PGA2	Pass
Pentium 4 1.73GHz	533	FC-PGA2	Pass
Pentium 4 1.8GHz	400	FC-PGA2	Pass
Pentium 4 2.0GHz	400	FC-PGA2	Pass
Pentium 4 2.2GHz	400	FC-PGA2	Pass
Pentium 4 2.26GHz	533	FC-PGA2	Pass
Pentium 4 2.4GHz	400/533	FC-PGA2	Pass
Pentium 4 2.53GHz	533	FC-PGA2	Pass

## 4. System Specification for Hardware and Software Utilities

The mainboard hardware portion was configured as follows :

Item	Description
System Core Logic	SiS 645DX +961B
System Cache	128K/256/512K Pipeline Burst SRAM Built-in CPU
System Memory	DDR200/266/333 (PC1600/2100/2700) Support
	Maximum : 3GB DDR DRAM
	184 pins single RAS and Double RAS DDR SDRAM Module
System Slots	1 AGP and 6 PCI slots
Audio	Realtek ALC201 AC'97 Audio codec support 2 Channel
	Realtek ALC650 AC'97 Audio codec support 5.1 Channel (Option)
LAN (Option)	SiS961B (MAC) + Realtek RTL8201L (PHY)
LPC	ITE IT8705F Support Normal,EPP,ECP mode and IR interface

### 4.1 Main Functionality :

Num.	M/B function		Result
1	ACPI Ready (support S0/S1/S3/S4/S5)		PASS
2	Wake On LAN / Wake On Ring		PASS
3	RTC Alarm Function		PASS
4	H/W Monitoring (CPU/System TEMP, All FAN speed, Voltage)		PASS
5	NOVUS II	BIOS Easy Kit	PASS
		Logogenie	PASS
		BIOS Flash Protect (BIOS Guardian)	PASS
6	Ultra ATA-33/66/100/133 Enhanced IDE Interface		PASS
7	Onboard AC'97 Realtek ALC650 5.1CH Audio (with A73 bracket)		PASS
8	Onboard SiS961B (MAC) + Realtek RTL8201L (PHY) LAN		PASS
9	USB 1.1 Function (Front x 2/Rear x 1)		PASS
10	Power Failure feature		PASS

### 4.2 Main Software Utilities :

Num.	M/B function	Version	Result
1	SiS Graphic Port Driver	1.09f	PASS
2	ALC201 codec driver for Win 9x/ME/2000/XP	5.10.00.3850	PASS
3	ALC650 5.1CH codec driver for Win 9x/ME/2000/XP	5.10.00.3850	PASS
4	SiS LAN driver for Win 9x/ME/2000/XP	1.14	PASS
5	Award BIOS Flash ROM Utilities	8.10b	PASS

## 5. Jumper Function Verification

Description	Jumper Name	Default Option	Status
Speaker Connector	SPK	Open	Pass
Power LED (Single color-3 pin)	LED	Open	Pass
Power LED (Single color-2 pin)	PW_LED1	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
North Bridge FAN Connector	CHIP_FAN	Open	Pass
Chassis FAN Connector	SYS_FAN	Open	Pass
Clear CMOS	CLR_CMOS	1-2	Pass
Clear Password	CLR_PWD	1-2	Pass
IR interface	IRRX/IRTX	Open	Pass
Front USB Connector	USB2_3,USB4_5	Open	Pass
CD_IN Connector (RGGL)	CD_IN	Open	Pass
AUX_IN Connector	AUX_IN	Open	Pass
Front Audio Connector	FNT_Audio	Open	Pass
5.1 Channel Audio Connector (For FIC A73 Audio bracket)	5.1_Audio	Open	Pass

## 6. Stability Test

### 6.1 CPU Over Clock Test:

System Configuration	
<b>CPU</b> : Intel P4 2.0GHz (FSB400)	<b>FDD</b> : NEC FD1231T 1.44MB
<b>Cache Memory</b> : 256KB	<b>Audio</b> : Onboard Realtek ALC650 AC'97
<b>Memory</b> : Samsung DDR266 512MB X 3	<b>LAN</b> : Onboard SiS 961B+RTL8201L
<b>HDD (ATA/100)</b> : Seagate ST-340810A 40GB	<b>Mouse</b> : Microsoft PS/2 mouse
<b>VGA</b> : ASUS AGP-V8200 AGP	<b>PowerSupply</b> : Delta DPS-300KB ATX 300W
<b>DVD-ROM</b> : ASUS DVD-E616 16X DVD	<b>O.S. Environment:</b> Windows XP/Home Edition

NO.	Over clock level		Test Result				
	FSB	CPU ID	Cool boot	Install OS	S3	Winstone 2001	3D Mark2001
1	105MHz	2.10GHz	Pass	Pass	Pass	44	6976
2	108MHz	2.16GHz	Pass	Pass	Pass	45.4	7071

### 6.2 Full Loading Test: (1days)

System Configuration	
<b>CPU</b> : Intel P4 1.7GHz	<b>FDD</b> : NEC FD1231T 1.44MB
<b>Cache Memory</b> : 256 K	<b>Audio</b> : Onboard ALC650 AC'97 Audio
<b>Memory</b> : DDR DRAM 512MB (256MBx2)	<b>LAN</b> : Onboard SiS 961B+RTL8201L <b>Mouse</b>
<b>HDD 1</b> : Maxtor 52049H4 20.4GB	: Microsoft PS/2 mouse
<b>HDD2</b> : Maxtor 91531U3 15GB	<b>PowerSupply</b> : ENERMAX EG-301P-VE 300W
<b>HDD3</b> : Seagate ST-320423A 20.4GB	<b>O.S. Environment:</b> Windows 2000
<b>DVD-ROM</b> : SONY DDU1211 12X	
<b>VGA</b> : ELSA GLADIAC 511 AGP	

Test Result						
BIOS detect	Install OS	All driver install	PM	CC WS 2001	Stress burn in	DVD/VCD play
Pass	Pass	Pass	Pass	Pass	Pass	Pass

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

System Configuration	
<b>CPU</b> : Intel P4 1.9GHz	<b>FDD</b> : NEC FD1231T 1.44MB
<b>Cache Memory</b> : 256 K	<b>PowerSupply</b> : HOPELY ATX-250SE P4 250W
<b>Memory</b> : DDR DRAM 512MB(256MBx2)	
<b>VGA</b> : ASUS V8200 AGP card	

Test Result	
<b>Cool Boot (over 600 times)</b>	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 4 2.26GHz (Northwood/FSB533) Maxtor 51536H2 ATA/100 15.6GB HDD TwinMOS 256MB DDR266 Memory. X 3 ELSA GLADIAC 516 AGP	
CC Winstone 2002 Under WIN 2000	12hr.	<i>Pass</i>
Test Configurations for Windows 2000	Intel Pentium 4 2.4GHz(Northwood/FSB400) Maxtor 34098H4 ATA/100 40.9GB HDD KingMax 256MB DDR266 Memory.(Micron) X 3 ELSA GLADIAC 516 AGP(Geforce3 Ti)	
BCM	12hr.	<i>Pass</i>
Test Configurations for Windows ME	Intel Pentium 4 2.4GHz (Northwood/FSB533) Maxtor 54098H8 ATA/100 40GB HDD Apacer 256MB DDR266 Memory.(Nanya) X 2 ELSA GLADIAC MX AGP	
3D MARK 2001 SE	12hr.	<i>Pass</i>
Test Configurations for Windows XP	Intel Pentium 4 2.0GHz (Northwood/FSB400) Maxtor 6L040J2 ATA/1330 40GB HDD Apacer 128MB DDR266 Memory.(Samsung) X 3 FIC AT-008-275 AGP (ATI Radeon 8500)	

## 8. Hardware Compatibility Test Suite

### 8.1 Memory

#### Test Configuration:

OS Ver ☒ Win XP Ver: 2002
☒ Win 2000 Ver: 5.00.2195

CPU Intel Pentium 4 2.2GHz (Northwood) ☒ Intel

HDD Maxtor 4K080H4 80GB IDE ☒ ATA/100 ☐ ATA/133

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

VGA ELSA GLADIAC 921 DVI

☐ Onboard ☒ AGP 4X

CD-ROM NEC DV-5800A 16X DVD

Channel: ☐ PM ☐ PS ☒ SM ☐ SS

Sound ALC650 AC'97

☐ PCI\_Slot:     ☒ On board

LAN SiS900

☐ PCI\_Slot:     ☒ On board

Mouse Microsoft IntelliMouse PS/2 Mouse

☐ COM ☒ PS/2

The following DDR DRAM module test CC Winstone 2002/3D Mark 2001 under Windows XP/2000 and run Memtest86 2.8 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 DDR DRAM Module (DDR266/PC2100)

Vender	IC Part No.	Size	Side	Module No.
Micron	MT46V8M8-75	128MB	D	MT16VDDT1664AG-265A2
	MT46V16M8-75A	128MB	S	MT8VDDT1664AG-265A1
	MT46V16M8-75A	256MB	D	MT16VDDT3264AG-265A1
	MT46V32M8-75	512MB	D	MT16VDDT6464AG-265B1
Samsung	K4H281638B-TCA2	128MB	D	M368L1714BT1-CA2
	K4H280838B-TCB0	256MB	D	M368L3313BT1-CB0
	K4H560838B-TCB0	512MB	D	M368L6423BT1-CB0Q0
Apacer	K4H280838B-TCB0	128MB	D	77.10304.460 (Samsung)
	K4H280838B-TCB0	256MB	D	77.10204.460 (Samsung)
	NT5DS16M8AT-7K (Nayna)	256MB	D	77.10203.540
Buffalo	K4H280838B-TCB0	256MB	D	DD266-256M (Samsung)
Crucial	MT46V16M8-75A (Micron)	128MB	S	CT1672Z265.9T
	MT46V16M8-75A (Micron)	256MB	D	CT3272Z265.18T
Hynix	HY5DU28822AT-H (Hyundai)	256MB	D	HYMD132645 A8-H
KingMax	KDL684T4A2A-07A	128MB	S	MPDA82D-68KX2
	KDL684T4A2A-07A	256MB	D	MPDB62D-68KX2
Transend	NT5DS16M8AT-7K (Nanya)	128MB	S	TS16MLD64V6D5
	NT5DS16M8AT-7K (Nanya)	256MB	D	TS32MLD64V6D5
	K4H280838B-TCB0	256MB	D	TS32MLD64V6D5 (Samsung)
	MT46V16M8-75A (Micron)	256MB	D	T32MLD64V6D5
	W942508AH-75 (Winbond)	512MB	D	
	V58C2128804SAT75(Mosel)	256MB	D	TS32MLD64V6D5
Infineon	HYB25D256800AT-7	256MB	D	HYS64D32000GU-7-A
	HYB25D256800AT-7	512MB	D	HYS64D64020GU-7-A
JSI	D45D128842G5-C80-9LG	256MB	D	(NEC)
Kingston	NT5DS16M8AT-7K (Nanya)	256MB	D	KVR266X64C25/256



	W942508AH-75 (Winbond)	256MB	S	KVR266X64C25/256
	W942508AH-75 (Winbond)	512MB	D	KVR266X64C25/512

### 8.1.2 DDR DRAM Module (DDR300/PC2400)

Vender	IC Part No.	Size	Side	Module No.
KingMax	KDL684T4A2A-06	256MB	D	MPLB62D-68KX3

### 8.1.3 DDR DRAM Module (DDR333/PC2700)

Vender	IC Part No.	Size	Side	Module No.
KingMax	KDL684T4A2A-05	128MB	S	MPMA82D-68KX3
	KDL684T4A2A-05	256MB	D	MPMB62D-68KX3
Samsung	K4H560838C-TCB3	256MB	S	M368L3223CTL-CB3

## 8.2 Add-on Cards

### 8.2.1 Display Adapter Products

#### Test Configuration:

OS Ver ☒ Win XP Ver: 2002.

CPU Intel Pentium 4 2.0GHz (Northwood) ☒ Intel

HDD Seagate ST-380021A 80GB IDE ☒ ATA/100 ☐ ATA/133

Memory Samsung 256MB(Samsung)

CD-ROM Actima AD16H 16X IDE DVD

Sound ALC650 AC'97

LAN SiS900

Mouse Logitech MouseMan Mouse

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

Total: 512 MB ☒ PC2100 ☐ PC2700

Channel: ☐ PM ☐ PS ☒ SM ☐ SS

☐ PCI\_Slot:     ☒ On board

☐ PCI\_Slot:     ☒ On board

☐ COM ☒ PS/2

The following AGP 4X VGA cards test 3Dmark 2001/Quick III Arena/Suspend to RAM(S3) under Windows XP 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 4X AGP Display Adapter Products

Vendor	VGA Chip	Product Description	Driver version
Leadtek	Riva TNT2 Pro	WinFast 3D S320 II Pro	5.13.01.2183
	GeForce256	Winfast GeForce256	5.13.01.2183
	GeForce2 MX	Winfast GeForce2 MX	5.13.01.2183
	GeForce2 GTS	Winfast GeForce2 GTS	5.13.01.2183
	Riva Geforce3	WinFast Geforce3	5.13.01.2183
	GeForce4 MX 400	A170 DDR	6.13.10.2720
Matrox	MGA-G450	Millennium G450	5.12.01.1720
	MGA-G550	Millennium G550	5.12.01.1220
ATI	ATI Rage 128 Pro	ATI Rage Fury Pro	6.13.3279
	Rage 128 Pro	All-In-Wonder 128 Pro	6.13.3279
	Rage 128 Pro	XPert 2000 Pro	6.13.3279
	Radeon	Radeon	6.13.10.6037
	Radeon VE	Radeon VE	6.13.3276
	Radeon	All-In-Wonder Radeon	6.13.10.6037

	Radeon 7500	Radeon 7500	6.13.10.6037
	Radeon 8500 LE	Radeon 8500 LE	6.13.10.6037
	Radeon	All-In-Wonder Radeon 8500 DV	6.13.10.3286
FIC	ATI Radeon 7500	AT008V	6.13.01.6015
	ATI Radeon 8500 LE	AT008-250	6.13.01.6015
	ATI Radeon 8500	AT008-275	6.13.01.6015
Cardex	Riva TNT2 Vanta	Cardexpert TNT2 Vanta	6.13.10.2832
	GeForce2 MX	GeForce2 MX	6.13.10.2832
ASUS	Riva TNT2 Pro	AGP-V3800 Pro	5.13.01.2181
	Riva GeForce 256	AGP-V6600	5.13.01.2181
	GeForce256 DDR	AGP-V6800	5.13.01.2181
	GeForce2 MX	AGP-V7100	5.13.01.2181
	Riva GeForce2 GTS	AGP-V7700	5.13.01.2181
	Riva GeForce2 GTS	AGP-V7700 Deluxe	5.13.01.2181
	GeForce2 Ti200	AGP-V7700 TI	5.13.01.2181
	GeForce4 MX 400	V8170 DDR(TV out)	6.13.10.2720
	Riva GeForce3	AGP-V8200 Deluxe	5.13.01.2181
	GeForce3 Ti200	AGP-V8200 T2 Deluxe	5.13.01.2181
	GeForce3 Ti500	V8200 T5 Deluxe (TV out)	5.13.01.2181
Creative	Riva Geforce 256	3D Blaster GeForce Pro	5.13.01.2183
	GeForce2 GTS	3D Blaster Geforce2 GTS	5.13.01.2183
Visiontek	Riva Geforce3	Geforce3 (TV out)	6.13.10.2832
Gainward	GeForce3 Ti200	GeForce3 PowerPack !!!	6.13.10.2832
Unika	Riva TNT2	...	6.13.10.2832
ELSA	Riva TNT2 M64	ERAZOR III LT	6.13.10.2311
	Riva TNT2 Vanta	ERAZOR III LT-16	6.13.10.2311
	Riva TNT2 Pro	ERAZOR III Pro	6.13.10.2311
	Riva Geforce2 GTS	GLADIAC	6.13.10.2311
	Riva Geforce2 Ultra	GLADIAC Ultra	6.13.10.2311
	GeForce2 MX	GLADIAC MX	6.13.10.2311
	Riva Geforce2 GTS Pro	GLADIAC Pro	6.13.10.2311
	GeForce2 MX 200	GLADIAC 311	6.13.10.2311
	GeForce2 MX 400	GLADIAC 511	6.13.10.2311
	GeForce3	GLADIAC 920	6.13.10.2311
	GeForce2 Ti	GLADIAC 516TV-Out	6.13.10.2311
	GeForce4 MX 440	GLADIAC 517TV-Out	6.13.10.2751
	GeForce3 Ti200	GLADIAC 721TV-Out	6.13.10.2311
	GeForce3 Ti500	GLADIAC 921 DVI	6.13.10.2311

### 8.2.1.2 PCI Display Adapter Products

Vendor	VGA Chip	Product Description
Creative	S3 Savage 4	3D Blaster Savage 4
Cardex	SiS 6326	Cardexpert 6326
3dfx	Voodoo3 3000	Voodoo3 3000

## 8.2.2 SCSI Adapter Products

### Test Configuration:

**OS Ver** ☒ Win XP Ver: 2002 .  
☒ Win 2000 Ver: 5.00.2195 .  
**CPU** Intel Pentium 4 2.0GHz (Northwood) ☒ Intel  
**Memory** Samsung 512MB (Samsung) **Total:** 1 GB ☒ PC2100 ☐ PC2700  
**VGA** ASUS AGP-V8200 ☐ Onboard ☒ AGP 4X  
**HDD** Seagate ST-318404LW 18GB ☐ Ultra II SCSI ☒ Ultra Wide  
**CD-ROM** Afreedy CD-2050S 50X SCSI CD-ROM ☒ Ultra SCSI ☐ Ultra Wide  
**Sound** ALC650 AC'97 ☐ PCI\_Slot:     ☒ On board  
**LAN** SiS900 ☐ PCI\_Slot:     ☒ On board  
**Mouse** Logitech MouseMan Mouse ☐ COM ☒ PS/2

The following PCI SCSI cards run Winstone 2001/Copy large files(over 500MB) under Windows XP/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	ASC-19160	Adaptec Ultra 160 PCI SCSI card 19160	PCI
	ASC-29160N	Adaptec ASC-29160N PCI SCSI card	PCI
	ASC-29160	Adaptec Ultra 160 PCI SCSI card 29160	PCI
	ASC-39160	Adaptec Ultra 160 PCI SCSI card 39160	PCI
Tekram	DC-390U/F/W	Tekram DC-390U/F/W PCI SCSI	PCI
	DC-390U2W	Tekram DC-390U2W PCI SCSI	PCI
	DC-390U3W	Tekram DC-390U3W PCI SCSI	PCI

## 8.2.3 PCI Modem Products

### Test Configuration:

**OS Ver** ☒ Win XP Ver: 2002 .  
**CPU** Intel Pentium 4 1.7GHz(Willamette) ☒ Intel  
**Memory** Samsung 512MB(Samsung) **Total:** 1.5 GB ☒ PC2100 ☐ PC2700  
**VGA** ASUS AGP-V8200 ☐ Onboard ☒ AGP 4X  
**HDD** Seagate ST-340810A 40GB IDE ☒ ATA/100 ☐ ATA/133  
**CD-ROM** ASUS DVD-E616 16X IDE DVD **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**Sound** ALC650 AC'97 **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**LAN** SiS900 ☐ PCI\_Slot:     ☒ On board  
**Mouse** Microsoft IntelliMouse PS/2 Mouse ☐ PCI\_Slot:     ☒ On board  
☐ COM ☒ PS/2

The following PCI modem card test includes connecting to the internet,download files and test S1/S3/S4 under under Windows XP with their respective modem drivers installed .

Vendor	Product Description	Bus I/F
Askey	1456VQH-R4 INT1	PCI



## 8.3 Storage

### 8.3.1 SCSI Peripheral Products

#### Test Configuration:

**OS Ver** ☒ Win XP Ver: 2002 .  
☒ Win 2000 Ver: 5.00.2195 .  
**CPU** Intel Pentium 4 2.0GHz(Northwood) ☒ Intel  
**Memory** Hynix 256MB (Hyundai) **Total: 512 MB** ☒ PC2100 ☒ PC2700  
**VGA** ASUS AGP-V8200 Deluxe ☒ Onboard ☒ AGP 4X  
**SCSI** ASC-29160 Ultra160 Wide SCSI ☒ ISA ☒ PCI\_Solt: 2 .  
**Mouse** Logitech First Mouse+ Mouse ☒ COM ☒ PS/2

The following SCSI devices test and WinStone 2001 under Windows XP/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	COMP IEC-950	Ultra2 Wide 9.1GB
		COMP IEC-950	Ultra2 Wide 36GB
		DDRS-39130	UltraII SCSI HDD 9.1GB
		DDYS-T36950	Ultra2 Wide 36.7GB
	Seagate	ST-39173W	Barracuda 9LP Ultra Wide 9.1GB
		ST39236LW	Barracuda Ultra160 Wide 9GB
		ST318436LW	Barracuda Ultra160 Wide 18GB
		ST39204LW	Cheetah Ultra160 Wide 9GB
		ST318404LW	Cheetah Ultra160 Wide 18GB
CD-ROM	Plextor	PX-40Tsi	Ultra SCSI CD-ROM 40X
	Toshiba	XM-6210B	Ultra SCSI CD-ROM 32X
	Panasonic	CR-508	SCSI-II CD-ROM 24X
	SONY	CDU-625	SCSI-II CD-ROM 24X
	TEAC	CD-532S	Ultra SCSI CD-ROM 32X
	Afreedy	CD-2050S	Ultra SCSI CD-ROM 50X
	TEAC	CDR 56S	(24R6W) CD-RW 24X
	Nichimen	CDR-BP3N	(32R12W10RW) CD-RW 32X
	Plextor	PX-W124Tsi	(32R12W4RW) CD-RW 32X
	YAMAHA	CRW2100S	(40R16W10RW) CD-RW 40X



### 8.3.2 IDE Fixed Disk Drive Products

#### Test Configuration:

**OS Ver** ☒ Win XP Ver: 2002  
**CPU** Intel Pentium 4 1.9GHz(Willamette) ☒ Intel  
**Memory** KingMAX 128MB (KingMAX) **Total: 256 MB** ☒ PC2100 ☐ PC2700  
**VGA** ELSA GLADIAC 511 **Onboard** ☒ AGP 4X  
**CD-ROM** Lite-On LTD-122 12X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**Sound** ALC650 AC'97 **PCI\_Slot:** ☐ On board  
**LAN** SiS900 **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 XP 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.

#### IDE ATA/100

Vendor	Model Name	Capacity
IBM	DTLA-307015	15.3GB
	DTLA-305020	20.5GB
	DTLA-307020	20.5GB
	DTLA-307030	30.7GB
	IC35L040AVER07-0	40GB
	DTLA-307045	46.1GB
	DTLA-307060	61.4GB
	IC35L060A	61.5GB
	DTLA-307075	76.8GB
Maxtor	52049H4	20.4GB
	53073H6	30.6GB
	34098H4	40.9GB
	54098H8	40.9GB
	4K040H2	40GB
	5T060H6	61GB
	98196H8	80GB
	4K080H4	80GB
	4W100H6	100GB
Seagate	ST320414A	20GB
	ST330631A	30.6GB
	ST340016A	40GB
	ST340810A	40GB
	ST340824A	40GB
	ST380020A	80GB
	ST380021A	80GB
WD	Caviar WD300BB	30GB

	Caviar WD400BB	40GB
	Caviar WD600BB	60GB
	Caviar WD800BB	80GB
	Caviar WD1000BB	100GB
	Caviar WD1200BB	120GB
Samsung	SV3063H	30.6GB
	SV4084H	40.8GB

### IDE ATA/133

Vendor	Model Name	Capacity
Maxtor	6L040J2	40GB
	6L060J3	60GB
	6L080J4	80GB
	4G160JB	160GB

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

#### Test Configuration:

**OS Ver** ☒ Win XP Ver: 2002  
**CPU** Intel Pentium 4 1.9GHz(Willamette) ☒ Intel  
**Memory** KingMAX 128MB (KingMAX) **Total: 256 MB** ☒ PC2100 ☐ PC2700  
**VGA** ELSA GLADIAC 511 ☐ Onboard ☒ AGP 4X  
**HDD** Maxtor 34098H4 40GB IDE ☒ ATA/100 ☐ ATA/133  
**Sound** ALC650 AC'97 **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**LAN** SiS900 ☐ PCI\_Slot:     ☒ On board  
**Mouse** Logitech TrackmanMarble Mouse ☐ PCI\_Slot:     ☒ On board  
☐ COM ☒ PS/2

The following IDE devices test play VCD or DVD under windows XP 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.

#### 8.3.3.1 ATAPI CD-ROM:

Vendor	Model Name	Product Description
LITE-ON	LTN-403L	ATAPI CD-ROM 40X UDMA33
	LTN-485S	ATAPI CD-ROM 48X UDMA33
Acer	650P	ATAPI CD-ROM 50X UDMA33
TEAC	CD-540E	ATAPI CD-ROM 40X Mode4
Creative	CD4833E	ATAPI CD-ROM 48X Mode4
	CD5220E	ATAPI CD-ROM 52X Mode4
ASUS	CD-S500/A	ATAPI CD-ROM 50X UDMA33
Mitsumi	CRMC-FX4820T	ATAPI CD-ROM 48X Mode4

SONY	CDU4811	ATAPI CD-ROM 48X UDMA33
Pioneer	DR-744	ATAPI CD-ROM 36X Mode4
LG	CRD-8522B	ATAPI CD-ROM 52X Mode4

### 8.3.3.2 ATAPI DVD-ROM:

Vendor	Model Name	Product Description
ASUS	DVD-E612	ATAPI DVD-ROM 12X
	DVD-E616	ATAPI DVD-ROM 16X
SONY	DDU1211	ATAPI DVD-ROM 12X
	DDU1621	ATAPI DVD-ROM 16X
Pioneer	DVD-105S	ATAPI DVD-ROM 16X
	DVD-115	ATAPI DVD-ROM 16X
	DVD-106S/2	ATAPI DVD-ROM 16X (UDMA66)
	DVD-116/2	ATAPI DVD-ROM 16X (UDMA66)
Actima	AD16H	ATAPI DVD-ROM 16X
Panasonic	SR-8587-B	ATAPI DVD-ROM 16X
	LF-D211V	4.7GB DVD-RAM
Creative	DVD1242E	ATAPI DVD-ROM 12X
Acer	DVP 1640A	ATAPI DVD-ROM 16X
LG	DRD-8120B	ATAPI DVD-ROM 12X
NEC	DV-5700B	ATAPI DVD-ROM 12X (UDMA33)
	DV-5800A	ATAPI DVD-ROM 16X (UDMA33)
Lite-On	LTD-122	ATAPI DVD-ROM 12X
	LTD-163	ATAPI DVD-ROM 16X

## 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 4 1.6GHz(Willamette) ☒ **Intel**  
**Memory** KingMax 128MB(KingMax) **Total:** 256 MB ☒ **PC2100** ☐ **PC2700**  
**HDD** Maxtor 4K040H2 40GB IDE ☒ **ATA/100** ☐ **ATA/133**  
**CD-ROM** Actima AD16H 16X IDE DVD **Channel:** ☒ **PM** ☐ **PS** ☐ **SM** ☐ **SS**  
**VGA** ELSA GLADIAC 311 **Channel:** ☐ **PM** ☐ **PS** ☒ **SM** ☐ **SS**  
**Sound** ALC650 AC'97 ☐ **Onboard** ☒ **AGP 4X**  
**LAN** SiS900 ☐ **PCI\_Slot:**     ☒ **On board**  
**Mouse** Logitech TrackMan Marble Mouse ☐ **PCI\_Slot:**     ☒ **On board**  
☐ **COM** ☒ **PS/2**

The following Parallel/Serial/IR devices be tested under Windows ME with Intel ATA Storage drivers installed.

Vendor	Product Description	Bus I/F
HP	LaserJet 6P	LPT/IR
	DeskJet 840c	LPT
	DeskJet 990cxi	LPT
	DeskJet 1220c	LPT
EPSON	Stylus Color 740	LPT
	Stylus Color 900	LPT
WACOM	Intuos Graphics Tablet	COM
ELSA	MicroLink 56K Internet	COM
Logitech	WingMan Formula Force joystick	COM
Kodak	DC210 InfraRed/Serial port Digital camera	COM
ACTisys	ACT-IR210L Receiver/Transceiver	IR

### 8.4.2 Mouse Products

#### Test Configuration:

**OS Ver** ☒ **Win XP Ver:** 2002  
**CPU** Intel Pentium 4 1.9GHz(Willamette) ☒ **Intel**  
**Memory** Apacer 256MB (Nanya) **Total:** 512 MB ☒ **PC2100** ☐ **PC2700**  
**HDD** IBM DTLA-305020 20GB IDE ☒ **ATA/100** ☐ **ATA/133**  
**CD-ROM** ASUS CD-S500/A 40X IDE **Channel:** ☒ **PM** ☐ **PS** ☐ **SM** ☐ **SS**  
**VGA** ASUS AGP-V8200 Deluxe **Channel:** ☐ **PM** ☐ **PS** ☒ **SM** ☐ **SS**  
**Sound** ALC650 AC'97 ☐ **Onboard** ☒ **AGP 4X**  
☐ **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	Optical U/P Mouse (X05-48976)	USB/PS2
	Optical U/P Mouse (X06-25122)	USB/PS2
	Explorer 3.0 U/P Mouse (X06-25120)	USB/PS2
	TrackBall Explorer 1.0 U/P Mouse (X05-87473)	USB/PS2
Logitech	MouseMan (M-CV46)	COM/PS2
	MouseMan Dual Optical (M-BL63B)	COM/PS2
eMachines	M-S34 (Logitech)	PS2
Samsung	Cyber Beetle Mouse (Optical)	PS2
Genius	NetScroll Optical	PS2
	NetScroll+ Eye Optical	PS2
	NetScroll+ NB Eye Optical	USB/PS2
LEO	Niche-N202	PS2

### 8.4.3 USB Device Products

#### Test Configuration:

**OS Ver** ☒ Win XP Ver: 2002  
**CPU** Intel Pentium 4 2.0GHz(Northwood) ☒ Intel  
**Memory** KingSton 256MB(Nanya) **Total: 768 MB** ☒ PC2100 ☐ PC2700  
**HDD** Seagate ST-380020A 80GB IDE ☒ ATA/100 ☐ ATA/133  
**CD-ROM** Creative DVD1242E 12X IDE DVD **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**VGA** ELSA GLADIAC 920 **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**Sound** ALC650 AC'97 **Onboard** ☒ AGP 4X  
**Mouse** Logitech First Mouse+ Mouse **PCI\_Slot:** ☐ On board  
**COM** ☒ PS/2

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

Type	Vendor	Description
Mouse	Logitech	USB Wheel Mouse (M-BB48)
		USB MouseMan Wheel (M-BA47)
		USB Wheel Mouse (Optical) (M-BD58)
		MouseMan Dual Optical (M-BL63B)
	Microsoft	IM Optical U/P Mouse (X05-48976)
		IM Optical U/P Mouse (X06-25122)
		IM Explorer 3.0 U/P Mouse (X06-25120)
		TrackBall Explorer U/P Mouse (X05-87473)
		Wireless Explorer USB Mouse (X08-12616)
	Cypress	7-895 Mouse
HUB	Belkin	Express Bus F5U001
	SOHOUSB	Unique Energy Saving (4-Port USB Hub)
Camera	Intel	YC72
	Kodak	DVC323

	IBM	XVP610
Keyboard	BTC	8113W
	Jetime	ACK-298H
	Microsoft	Natural Keyboard Pro
Printer	HP	DeskJet 840c
		DeskJet 990cxi
		DeskJet 1220c
	EPSON	Stylus Color 740
		Stylus Color 900
Scanner	EPSON	GT-7000
		Perfection 2450 Photo
	HP	ScanJet 4200C
Ethernet	CATC	USB Ethernet Link
Speaker	YAMAHA	YST-MS35D
MO	OLYMPUS	Turbo MO MINI (MOS3390S)
ZIP	iomega	ZIP 250
CD-RW	Vipower	VP-8258 Mobile USB Adapter(DVD)
	SONY	Spessa CD-ReWritable Recorder
	Plextor	PX-S88TU (24R8W8RW)
	YAMAHA	CRW-70 (24R12W8RW)
FDD		Generic USB FDD
Flash H_ Disk	TREK	ThumbDrive USB Flash Hard Disk
GamePad	Creative	Cobra USB GamePad
	Logitech	WingMan Extreme USB GamePad
	Microsoft	SideWinder Strategic Commander
		SideWinder Game Voice
Joystick	Logitech	WingMan Formula Force joystick
	Microsoft	SideWinder Precision 2

#### 8.4.4 Game Port Device Products

##### Test Configuration:

OS Ver ☒ Win XP Ver: 2002.

CPU Intel Pentium 4 1.9GHz(Willamette) ☒ Intel

Memory Apacer 256MB (Nanya)

Total: 512 MB ☒ PC2100 ☒ PC2700

HDD IBM DTLA-305020 20GB IDE

☒ ATA/100 ☒ ATA/133

Channel: ☒ PM ☒ PS ☒ SM ☒ SS

CD-ROM ASUS CD-S500/A 40X IDE

Channel: ☒ PM ☒ PS ☒ SM ☒ SS

VGA ASUS AGP-V8200 Deluxe

☒ Onboard ☒ AGP 4X

Sound ALC650 AC'97

☒ PCI\_Slot:     ☒ On board

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

Type	Vendor	Product Description
GamePad	Logitech	ThunderPad Digital
		WingMan Extreme USB/Game port



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 XP **Ver:** 2002 .  
**CPU** Intel Pentium 4 1.8GHz(Northwood) ☒ Intel  
**Memory** Apacer 256MB (Nanya) **Total:** 512 MB ☒ PC2100 ☐ PC2700  
**HDD** IBM DTLA-305020 20GB IDE ☒ ATA/100 ☐ ATA/133  
**CD-ROM** SONY DDU1621 16X IDE DVD **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**VGA** ASUS AGP-V8200 Deluxe **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**Sound** ALC650 AC'97 **Onboard** ☒ AGP 4X  
**Mouse** Logitech TrackMan Marble Mouse **PCI\_Slot:**    ☒ On board  
**COM** ☒ PS/2

The following Power supply devices test Cool/Warm boot, restart and power management under Windows XP with over 5 times.

Vendor	Product Description	Power	Input Voltage	Type
DELTA	DPS-300KB A Rev:00	300W	110/220	ATX
	DPS-300KB-1 A Rev:00	300W	110/220	ATX
Seventeam	ST-250BLP	250W	110/220	ATX
	ST-250BLV	250W	110/220	ATX
	ST-250GL	250W	110/220	ATX
	ST-300BLV	300W	110/220	ATX
Enlight	HPC-340-101	340W	110/220	ATX
ENERMAX	EG301P-VE	300W	110/220	ATX
Seasonic	SS-250FS	250W	110/220	ATX
ICute	P4-3000TC v2.03	300W	110/220	ATX
L&C	LC-A250ATX	250W	110/220	ATX
Good Vision	XP-375X	375W	110/220	ATX
Green An	ATX-1125BTA	300W	110/220	ATX
	ENP-0735	350W	110/220	ATX
SD	SD-300W-12V	300W	110/220	ATX
HOPELY	ATX-250SE-P4	250W	220	ATX
	ATX-300SE-P4	300W	220	ATX
	ATX-300S	300W	220	ATX
Golden Field	ATX-320WB&P4	300W	220	ATX
..QY	QY-300T	300W	220	ATX
....	ST-ATX325	300W	220	ATX
STR	SPS-300W Rev:03	300W	220	ATX



## 9. Software Compatibility Test Suite

### 9.1 Base Operating System

#### 9.1.1 Microsoft Windows 98 SE:

##### Test Configuration:

**CPU** Intel Pentium 4 1.9GHz(Willamette) ☒ Intel  
**Memory** KingMax 256MB(KingMax) **Total: 512 MB** ☒ PC2100 ☐ PC2700  
**HDD** WD Caviar WD600BB 60GB IDE ☒ ATA/100 ☐ ATA/133  
**Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**VGA** ELSA GLADIAC 511 ☐ Onboard ☒ AGP 4X  
**Sound** ALC650 AC'97 ☐ PCI\_Slot: \_\_ ☒ On board  
**CD-ROM** NEC DV-5800A 16X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**LAN** SiS900 ☐ PCI\_Slot: \_\_ ☒ On board  
**Mouse** Microsoft IntelliMouse Mouse ☐ COM ☒ PS/2

Test Item	Result	Remark
FDISK (FAT32)	PASS	
Format FDD	PASS	
Large file Copy (Over 500MB)	PASS	
FIC CD-PRO all M/B drivers Install & Test	PASS	
FIC CD-PRO all Application Install & Test	PASS	
FIC CD-Plus V3.0 Auto run test	PASS	
CoreTest 92 (Transfer Rate test)	PASS	
Large file Copy from CD/DVD-ROM (Over 500MB)	PASS	
Device Management check (No Caution)	PASS	
VGA Resolution/Color change	PASS	
Defrag test	PASS	
Install Office XP	PASS	
Auto Shutdown (system power off)	PASS	
DVD play (name: <i>Deep Blue Sea</i> )	PASS	
Power Management	Power button	PASS
	Keyboard Sleep Key	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
System Shutdown	Power button (Setting from PM)	PASS
	Start → Shut down item	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
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MS Windows 98 SE	4.10.2222A	English	Microsoft	Pass
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### 9.1.2 Microsoft Windows ME:

#### Test Configuration:

**CPU** Intel Pentium 4 1.6GHz(Northwood) ☒ Intel  
**Memory** Transcend 256MB(Samsung) **Total: 512 MB** ☒ PC2100 ☐ PC2700  
**HDD** Maxtor 54098H8 40.9GB IDE ☒ ATA/100 ☐ ATA/133  
**Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**VGA** ATI Radeon 8500 ☐ Onboard ☒ AGP 4X  
**Sound** ALC650 AC'97 ☐ PCI\_Slot: \_\_ ☒ On board  
**CD-ROM** SONY DDU1621 16X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**LAN** SiS900 ☐ PCI\_Slot: \_\_ ☒ On board  
**Mouse** Microsoft IntelliMouse Mouse ☐ COM ☒ PS/2

Test Item	Result	Remark
FDISK (FAT32)	PASS	
FIC CD-PRO all M/B drivers Install & Test	PASS	
FIC CD-PRO all Application Install & Test	PASS	
FIC CD-Plus V3.0 Auto run test	PASS	
Device Management check (No Caution)	PASS	
Large file Copy from CD/DVD-ROM (Over 500MB)	PASS	
Install Office XP	PASS	
Media Player 7.0 (play MIDI/MP3/CD Audio)	PASS	
Defrag test	PASS	
DVD play (name: <i>Deep Blue Sea</i> )	PASS	
Power Management (Stand By function)	Power button	PASS
	Keyboard Sleep Key	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	PASS
	Start → Shut down item	PASS
WinStone 2001	PASS	32.6
CC WinStone 2002	PASS	14.7
3D Mark 2001 SE	PASS	6819

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
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MS Windows ME	4.90.3000	English	Microsoft	Pass
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### 9.1.3 Microsoft Windows XP/Home Edition:

#### Test Configuration:

**CPU** Intel Pentium 4 1.9GHz(Willamette) ☒ Intel  
**Memory** Crucial 256MB(Micron) **Total: 1000 MB** ☒ PC2100 ☐ PC2700  
**HDD** Maxtor 6L060J3 60GB IDE ☒ ATA/100 ☐ ATA/133  
**VGA** ELSA GLADIAC 921 DVI **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**Sound** ALC650 AC'97 ☐ Onboard ☒ AGP 4X  
**CD-ROM** Pioneer DVD-116 16X IDE DVD ☐ PCI\_Slot: \_\_ ☒ On board  
**LAN** SiS900 **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**Mouse** Microsoft IntelliMouse Mouse ☐ PCI\_Slot: \_\_ ☒ On board  
☐ COM ☒ PS/2

Test Item	Result	Remark
Install Win XP with NTFS (boot from CD )	PASS	
FIC CD-PRO all M/B drivers Install & Test	PASS	
FIC CD-PRO all Application Install & Test	PASS	
FIC CD-Plus V3.0 Auto run test	PASS	
Device Management check (No Caution)	PASS	
Large file Copy from CD/DVD-ROM (Over 500MB)	PASS	
Install Office XP	PASS	
Media Player 8.0 (play MIDI/MP3/CD Audio)	PASS	
Defrag test	PASS	
DVD play (name: <i>Deep Blue Sea</i> )	PASS	
Power Management (Stand By function)	Power button	PASS
	Keyboard Sleep Key	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	PASS
	Start → Shut down item	PASS
CC WinStone 2002	PASS	26.9
3D Mark 2001 SE	PASS	6056

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	2002	English	Microsoft	Pass



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

##### Test Configuration:

**CPU** Intel Pentium 4 1.6GHz(Northwood) ☒ Intel  
**Memory** Samsung 512MB(Samsung) **Total: 1000 MB** ☒ PC2100 ☐ PC2700  
**HDD** WD Caviar WD1000BB 100GB IDE ☒ ATA/100 ☐ ATA/133  
**Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**VGA** ELSA GLADIAC 721 ☐ Onboard ☒ AGP 4X  
**Sound** ALC650 AC'97 ☐ PCI\_Slot:\_\_\_ ☒ On board  
**CD-ROM** Panasonic SR-8587-B 16X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**LAN** SiS900 ☐ PCI\_Slot:\_\_\_ ☒ On board  
**Mouse** Microsoft IntelliMouse Mouse ☐ COM ☒ PS/2

Test Item		Result	Remark
Install Win 2000 with NTFS (boot from CD )		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 from CD/DVD-ROM (Over 500MB)		PASS	
Install Office XP		PASS	
DVD play (name: <i>Deep Blue Sea</i> )		PASS	
Power Management (Stand By function)	Power button	PASS	
	Keyboard Sleep Key	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	PASS	
	Start → Shut down item	PASS	
CC WinStone 2002		PASS	29.4
3D Mark 2001 SE		PASS	5658

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





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

#### Test Configuration:

**CPU** Intel Pentium 4 1.9GHz(Willamette) ☒Intel  
**Memory** Infineon 512MB(Infineon) **Total: 1000 MB** ☒PC2100 ☒PC2700  
**HDD** IBM DTLA-307060 60GB IDE ☒ATA/100 ☒ATA/133  
**VGA** Matrox Millennium G550 **Channel:** ☒PM ☒PS ☒SM ☒SS  
**Sound** ALC650 AC'97 ☒Onboard ☒AGP 4X  
**CD-ROM** Lite-On LTD-163 16X DVD-ROM ☒PCI\_Slot: \_\_ ☒On board  
**Mouse** Logitech Mouse+ Mouse **Channel:** ☒PM ☒PS ☒SM ☒SS  
☒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>Deep Blue Sea</i> )	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 4 1.9GHz(Willamette) ☒Intel  
**Memory** Apacer 256MB (Nanya) **Total: 512 MB** ☒PC2100 ☐PC2700  
**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 Power Management and Remote functions are also tested.

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

\* Don't driver support Realtek ALC650 AC'97 Audio.

### 9.1.7 LINUX :

#### Test Configuration:

**CPU** Intel Pentium 4 1.8GHz(Willamette) ☒Intel  
**Memory** Apacer 256MB (Samsung) **Total: 512 MB** ☒PC2100 ☐PC2700  
**HDD** IBM DTLA-302045 46.1GB IDE ☒ATA/100 ☐ATA/133  
**VGA** ASUS AGP-V7700 Deluxe **Channel:** ☒PM ☐PS ☐SM ☐SS  
**CD-ROM** Creative DVD1242E 12X IDE DVD ☐Onboard ☒AGP 4X  
**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

gcnvcnbv

**Test Engineer:**

**BIOS:** Benson Shen

**OS:** Kai Dane

**I/O :** Leon Liang

**Audio:** Lion Liou

**CPU:** Stevent Huang

**VGA:** Scott Lin

**Memory:** Kevin Lin

**IDE Devices:** Kai Dane

**Check by:** Lion Liou

**Ownership:** Benson Shen