

# **FIC AM37 PCI/AGP SYSTEM BOARD BOARD LEVEL COMPATIBILITY TEST REPORT**

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**Revision:**               **1.00**

Supervisor	Tester



### Revision History

Document Release	Date	Change Item	ECN
Revision 1.00	10/30/2002	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** : AM37 PCB Rev 1.2  
**Product Name** : VIA KM266 Based Mainboard  
**System BIOS** : Award BIOS Version VLB43  
**PCI IDE** : Internal PCI Mastre dual IDE  
**LPC** : ITE IT8705F

## 3. Mainboard CPU Supports:

AMD Processors	Bus	Status
Duron 900MHz	100	Pass
Duron 950MHz	100	Pass
Duron 1.0GHz (Morgan)	100	Pass
Duron 1.1GHz (Morgan)	100	Pass
Duron 1.2GHz (Morgan)	100	Pass
Duron 1.3GHz (Morgan)	100	Pass
Athlon 900MHz	100	Pass
Athlon 950MHz	100	Pass
Athlon 1GHz	100/133	Pass
Athlon 1.1GHz	100	Pass
Athlon 1.133GHz	133	Pass
Athlon 1.2GHz	100/133	Pass
Athlon 1.3GHz	100	Pass
Athlon 1.333GHz	133	Pass
Athlon 1.4GHz	100/133	Pass
Athlon XP 1500+ (Palomino/1333)	133	Pass
Athlon XP 1600+ (Palomino & Thoroughbred /1400)	133	Pass
Athlon XP 1700+ (Palomino & Thoroughbred /1467)	133	Pass
Athlon XP 1800+ (Palomino & Thoroughbred /1533)	133	Pass
Athlon XP 1900+ (Palomino & Thoroughbred /1600)	133	Pass
Athlon XP 2000+ (Palomino & Thoroughbred /1667)	133	Pass
Athlon XP 2100+ (Palomino & Thoroughbred /1733)	133	Pass
Athlon XP 2200+ (Thoroughbred /1800)	133	Pass
Athlon XP 2400+ (Thoroughbred /2000)	133	Pass
Athlon XP 2600+ (Thoroughbred /2133)	133	Pass

- Socket A Fan-Sink : Please refer to AMD's Web side recommendation.

## 4. System Specification for Hardware and Software Utilities

The mainboard hardware portion was configured as follows :

Item	Description
System Core Logic	VIA KM266 + VT8235
System Cache	64/256K Pipeline Burst SRAM Built-in CPU
System Memory	DDR200/266(PC1600/2100) Support
	Maximum : 2GB DDR DRAM
	184 pins single RAS and Double RAS DDR SDRAM Module
System Slots	1 AGP and 3 PCI slots
Audio	VIA 8235 AC'97 Audio with Realtek ALC202A codec
LAN (Option)	Realtek RTL8100BL 10/100 LAN Chip Onboard
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	NOVUS II BIOS Easy Kit	PASS
	BIOS Flash Protect (Guardian feature)	PASS
5	Ultra ATA-33/66/100/133 Enhanced IDE Interface	PASS
6	Onboard Realtek ALC202A AC'97 Audio	PASS
7	Onboard Realtek RTL8100BL LAN	PASS
8	USB 1.1/2.0 Function (Front/Rear)	PASS
9	Power Failure feature	PASS

### 4.2 Main Software Utilities :

Num.	M/B function	Version	Result
1	VIA 4 in 1 Chipset Driver	4.43	PASS
2	VIA KM266 Video driver for Win 9x/ME	4.13.01.3060	PASS
3	VIA KM266 Video driver for Win 2000/XP	6.13.10.1089	PASS
4	ALC202A codec driver for Win 9x/ME/2000/XP	5.10.3940	PASS
5	Realtek RTL8100BL LAN driver for Win 9x/ME	5.504.613.2002	PASS
6	Realtek RTL8100BL LAN driver for Win 2000/XP	5.504.613.2002	PASS
7	Award BIOS Flash ROM Utilities	8.20A	PASS

## 5. Jumper Function Verification

Description	Jumper Name	Default Option	Status
Speaker Connector	SPK	Open	Pass
Power LED (Single color-3 pin)	PW_LED	Open	Pass
Power LED (Dual color)	PW_LED	Open	Pass
IDE LED Connector	HD_LED	Open	Pass
Reset Switch	RST	Open	Pass
Remote Power Switch	PWR	Open	Pass
CPU FAN Connector	CPU_FAN	Open	Pass
Chipset FAN Connector	CHIP_FAN	Open	Pass
Chassis FAN Connector	SYS_FAN	Open	Pass
Clear CMOS	CLR_CMOS	1-2	Pass
Clear Password	CLR_PWD	Open	Pass
IR interface	IR	Open	Pass
System Bus Clock	FSB	1-2	Pass
Front Audio Connector	F_Audio	Open	Pass
COM2 Connector	COM2	Open	Pass
USB 2/3 Connector	USB 4/5	Open	Pass
Sony Philips Digital Interface	SPDIF	Open	Pass
CD_IN Connector (RGGL)	CD_IN	Open	Pass
AUX_IN Connector	AUX_IN	Open	Pass
Wake On LAN	WOL	Open	Pass

## 6. Stability Test

### 6.1 Stress Test:

System Configuration	
<b>CPU</b> : AMD Athlon XP 2100+ (1733MHz)	<b>FDD</b> : NEC FD1231T 1.44MB
<b>Cache Memory</b> : 256 K	<b>Audio</b> : Onboard ALC202A AC'97 Audio
<b>Memory</b> : elixir DDR266 256MB x 2	<b>LAN</b> : Onboard Realtek 8100BL
<b>HDD 1(ATA/133)</b> : Maxtor 6L080J4 80GB	<b>Mouse</b> : Microsoft PS/2 mouse
<b>HDD2(ATA/100)</b> : Maxtor 4K080H4 80GB	<b>PowerSupply</b> : iCute AL-3000P4 ATX 300W
<b>DVD-ROM</b> : Pioneer DVD-116/2 16X DVD	<b>O.S. Environment:</b> Windows XP/Professional
<b>Image</b> : ZIP 250	
<b>VGA</b> : Onboard VIA KM266 AGP	

Test Result						
BIOS detect	Install OS	All driver install	PM	CC WS 2002	Stress burn in	DVD play
Pass	Pass	Pass	Pass	Pass	Pass	Pass

### 6.2 PCB Cool Boot Test: (24 hours)

System Configuration	
<b>CPU</b> : AMD Athlon XP 1900+ (1600MHz)	<b>FDD</b> : NEC FD1231T 1.44MB
<b>Cache Memory</b> : 256 K	<b>PowerSupply</b> : Hopely ATX-250SE 250W
<b>Memory</b> : Transcend 256MB(128MBx2)	
<b>VGA</b> : Onboard VIA KM266 AGP	

Test Result	
<b>Cool Boot (over 1000 times)</b>	Pass



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

Software Name	Duration	Result
Winstone 2001 v1.0.3	12hr.	<i>Pass</i>
Test Configurations for Windows XP + SP1	AMD Athlon XP 2000+ (1667MHz) Maxtor 4K040H2 ATA/100 40GB HDD Apacer 256MB DDR266 Memory.(Nanya) X 2 Onboard VIA KM266 AGP	
CC Winstone 2002 v1.0.1	12hr.	<i>Pass</i>
Test Configurations for Windows XP + SP1	AMD Athlon XP 2200+(1800MHz) IBM IC35L060A ATA/100 60GB HDD Apacer 512MB DDR266 Memory.(Winbond) X 2 FIC AT009 AGP card	
Winstone 2001 V1.0.3	12hr.	<i>Pass</i>
Test Configurations for Windows ME	AMD Athlon XP 1700+(1467MHz) IBM IC35L060A ATA/100 60GB HDD Apacer 256MB DDR266 Memory.(Samsung) X 2 Onboard VIA KM266 AGP	
BCM	12hr.	<i>Pass</i>
Test Configurations for Windows ME	AMD Athlon XP 1900+(1600MHz) Maxtor 54098H8 ATA/100 40.9GB HDD Transcend 256MB DDR266 Memory.(Mosel) X 2 Onboard VIA KM266 AGP	
3D Mark 2001 SE	12hr.	<i>Pass</i>
Test Configurations for Windows XP +SP1	AMD Athlon XP 2000+(1667MHz) WD Caviar 400 ATA/100 40GB HDD Apacer 256MB DDR266 Memory.(Infineon) X 2 Onboard VIA KM266 AGP	
DVD Play (Deep Blue Sea)	12hr.	<i>Pass</i>
Test Configurations for Windows XP	AMD Athlon XP 2000+(1667MHz) WD Caviar 400 ATA/100 40GB HDD Apacer 256MB DDR266 Memory.(Infineon) X 2 Onboard VIA KM266 AGP Onboard Realtek ALC202A AC'97 Audio PowerDVD XP 4.0	

## 8. Hardware Compatibility Test Suite

### 8.1 Memory

#### Test Configuration:

OS Ver ☒ Win XP + SP1 Ver: 2002  
☒ Win 2000 Ver: 5.00.2195  
CPU AMD Athlon XP 2100+(1733MHz) ☒ AMD  
HDD Maxtor 34098H4 40.9GB IDE ☒ ATA/100 ☐ ATA/133  
Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
VGA VIA KM266 AGP ☒ Onboard ☐ AGP 4X  
CD-ROM Lite-On LTD-163 16X DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS  
Sound Realtek ALC202A AC'97 ☐ 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 SE/STR(S3) under Windows XP/2000 and run Memtest86 3.0 with BIOS set up default value and set to the follow condition 1024 x 768 x 32bit colors, resolution refresh rate of 85Hz, small font.

#### DDR DRAM Module (DDR266/PC2100)

Vender	IC Part No.	Size	Side	Module No.
Micron	MT46V32M8-75	512MB	D	MT16VDDT6464AG-265B1
Crucial	MT46V16M8-75A	256MB	D	CT3272Z265.18T (Micron)
Apacer	HYB25D128800AT-7	128MB	D	77.10303.112 (Infineon)
	HYB25D128800T-7	256MB	D	77.10203.110 (Infineon)
	HYB25D256800AT-7	512MB	D	77.10703.110 (Infineon)
	V58C2128804SAT7	256MB	D	77.10203.560 (Mosel)
	NT5DS16M8AT-7K	128MB	D	77.10303.542 (Nanya)
	NT5DS16M8AT-7K	256MB	D	77.10203.540 (Nanya)
	W942508AH-7	512MB	D	77.10703.580 (Winbond)
	K4H280838B-TCB0	128MB	D	77.10304.460 (Samsung)
	K4H280838D-TCBO	256MB	D	77.10204.460 (Samsung)
	K4H560838C-TCBO	512MB	D	77.10704.460 (Samsung)
SEITEC	DDR32M8AT-7	512MB	D	184DR512M638
KingMax	KDL684T4A2A-07A	128MB	S	MPDA82D-68KX2
	KDL684T4A2A-07A	256MB	D	MPDB62D-68KX2
Infineon	HYB25D256800AT-7	256MB	D	HYS64D32000GU-7-A
	HYB25D256800BT-7	512MB	D	HYS64D64020GU-7-B
Kingston	NT5DS16M8AT-7K (Nanya)	256MB	D	KVR266X64C25/256
	N2DS12880AT-75B	256MB	D	M2U25664DS8HA0G-75B
	W942508AH-75 (Winbond)	512MB	D	KVR266X64C25/512
elixir	N2DS25680AT-75B	256MB	S	M2U25664DS88AOG-75B
	N2DS12880AT-75B	256MB	D	M2U25664DS8HA0G-75B
Transend	NT5DS16M8AT-7K	128MB	S	TS16MLD64V6D5
	W942508AH-75	512MB	D	
TwinMOS	HY5DU28822AT-K	256MB	D	(Hynix)
PQI	PQ6D168S75-7	256MB	D	MD6456UPS

## 8.2 Add-on Cards

### 8.2.1 Display Adapter Products

#### Test Configuration:

**OS Ver** ☒ Win XP Ver: 2002  
**CPU** AMD Athlon XP 2200+(1800MHz) ☒ AMD  
**HDD** WD Caviar 800BB 80GB IDE ☒ ATA/100 ☐ ATA/133  
**Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**Memory** KingSton 256MB(Winbond) **Total:** 512 MB ☐ PC1600 ☒ PC2100  
**CD-ROM** BenQ DVP1648A 16X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**Sound** Realtek ALC202A AC'97 **☐ PCI\_Slot:** ☐ On board  
**LAN** Realtek RTL8100BL **☐ PCI\_Slot:** ☐ On board  
**Mouse** Logitech MouseMan Mouse **☐ COM** ☒ PS/2

The following AGP 4X VGA cards test 3Dmark 2001/Final Reality 1.01 /Suspend to RAM(S3) under Windows XP with their respective VGA drivers installed and set to the follow condition 1024 x 768 x 32bit colors, resolution refresh rate of 85Hz, small font.

### 4X AGP Display Adapter Products

Vendor	Model Name	Product Description	Driver version
Leadtek	GeForce256	Winfast GeForce256	5.01.2001.1240
	Riva Geforce3	WinFast Geforce3	6.13.10.2832
	GeForce4 MX 420	A170 TH	6.13.10.2832
	GeForce4 Ti 4200	A250 LE TD	6.13.10.2832
	GeForce4 Ti 4400	A250 TD	6.13.10.2832
	GeForce4 Ti 4600	A250 Ultra TD	6.13.10.2832
Matrox	MGA-G450	Millennium G450	5.12.01.1820
	MGA-G550	Millennium G550	5.13.01.1320
ATI	ATI Rage 128 Pro	ATI Rage Fury Pro	6.13.3279
	Rage 128 Pro	XPert 2000 Pro	6.13.3279
	Radeon VE	Radeon VE	6.13.01.6094
	Radeon	Radeon	6.13.10.6118
	Radeon	All-In-Wonder Radeon	6.13.10.3286
	Radeon 7500	Radeon 7500	6.13.10.6094
	Radeon 8500	Radeon 8500	6.13.10.6118
FIC	ATI Radeon 7500	AT008V	6.13.10.6015
	ATI Radeon 8500 LE	AT008-250	6.13.10.6015
	ATI Radeon 8500	AT008-275	6.13.10.6015
ASUS	Riva TNT2 Pro	AGP-V3800 Pro	6.13.10.2880
	GeForce256	AGP-V6600	6.13.10.2880
	GeForce256	AGP-V6800	6.13.10.2880
	GeForce2 MX	AGP-V7100	6.13.10.2880
	Riva Geforce2 GTS	AGP-V7700	6.13.10.2880
	Riva GeForce2 GTS	AGP-V7700 Deluxe	6.13.10.2880
	GeForce2 Ti200	AGP-V7700 TI	6.13.10.2880

	Riva GeForce3	AGP-V8200 Deluxe	6.13.10.2880
	GeForce3 Ti200	AGP-V8200 T2 Deluxe	6.13.10.2880
	GeForce3 Ti500	AGP-V8200 T5 Deluxe	6.13.10.2880
	GeForce4 MX 400	AGP-V8170 DDR	6.13.10.2880
	GeForce4 Ti 4200	V8420 Deluxe	6.13.10.2940
	GeForce4 Ti 4400	V8440 /TD	6.13.10.2880
	GeForce4 Ti 4600	V8460 Ultra /TD	6.13.10.2880
Visiontek	Riva Geforce3	Geforce3 (TV out)	6.13.10.2942
Gainward	GeForce3 Ti200	GeForce3 PowerPack !!!	6.13.10.2942
	GeForce4 MX 420	420T	6.13.10.2942
	GeForce4 Ti 4400	4400XP	6.13.10.2942
	GeForce4 Ti 4600	4600XP	6.13.10.2942
ELSA	GeForce2 MX	GLADIAC MX	6.13.10.2832
	Riva Geforce2 Ultra	GLADIAC Ultra	6.13.10.2832
	Riva Geforce2 GTS Pro	GLADIAC Pro	6.13.10.2942
	GeForce2 MX 200	GLADIAC 311	6.13.10.2832
	GeForce2 Ti	GLADIAC 516TV-Out	6.13.10.2832
	GeForce3	GLADIAC 920	6.13.10.2832
	GeForce3 Ti200	GLADIAC 721TV-Out (64MB)	6.13.10.2832
	GeForce3 Ti200	GLADIAC 721TV-Out (128MB)	6.13.10.2832
	GeForce3 Ti500	GLADIAC 921 DVI	6.13.10.2832
	GeForce4 MX 420	GLADIAC 517SV	6.13.10.2832
	GeForce4 MX 440	GLADIAC 517TV-Out	6.13.10.2832
	GeForce4 Ti 4200	GLADIAC 525	6.13.10.2832
	GeForce4 Ti 4600	GLADIAC 925ViVo	6.13.10.2832
Compro	GeForce4 MX 420	VideoMate MX/GeForce4 MX 420	6.13.10.2942
	GeForce4 MX 440	VideoMate MX/GeForce4 MX 440	6.13.10.2942
	GeForce4 Ti 4200	VideoMate Cinema/GeForce4 Ti4200	6.13.10.2942
	GeForce4 Ti 4600	VideoMate Cinema/GeForce4 Ti4600	6.13.10.2942

### PCI Display Adapter Products

Vendor	Model Name	Product Description	Driver version
Cardex	SiS 6326	Cardexpert 6326	OS Default
3dfx	Voodoo 3-3000	3dfx Voodoo 3-3000 PCI	OS Default
	Voodoo 5-5500	3dfx Voodoo 5-5500 PCI	OS Default

## 8.2.2 SCSI Adapter Products

### Test Configuration:

**OS Ver** ☒ Win XP Ver: 2002 .  
☒ Win 2000 Ver: 5.00.2195 .  
**CPU** AMD Athlon XP 2000+(1667MHz) ☒ AMD  
**Memory** PQI 256MB (PQI) Total: 512 MB ☐ PC1600 ☒ PC2100  
**VGA** VIA KM266 AGP ☒ Onboard ☐ AGP 4X  
**HDD** IBM IC35L018UWD210 18GB ☐ Ultra II SCSI ☒ Ultra Wide  
**CD-ROM** TEAC CD-W512S-B82 32X CD-RW ☒ Ultra SCSI ☐ Ultra Wide  
**Sound** Realtek ALC202A AC'97 ☐ PCI\_Slot:     ☒ On board  
**LAN** Realtek RTL8100BL ☐ 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 32bit 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** AMD Athlon XP 2000+(1667MHz) ☒ AMD  
**Memory** KingMax 256MB(KingMax) Total: 512 MB ☐ PC2700 ☒ PC2100  
**VGA** VIA KM266 AGP ☒ Onboard ☐ AGP 4X  
**HDD** Maxtor 6L080J4 80GB ☐ ATA/100 ☒ ATA/133  
**CD-ROM** Actima AD12H 12X IDE DVD Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
**Sound** Realtek ALC202A AC'97 Channel: ☐ PM ☐ PS ☒ SM ☐ SS  
**LAN** Realtek RTL8100BL ☐ 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	1456VQH75	PCI
	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 AMD Athlon XP 2000+(1667MHz) ☒ AMD  
 Memory Apacer 512MB (Samsung) Total: 1000 MB ☐ PC1600 ☒ PC2100  
 VGA VIA KM266 AGP ☒ Onboard ☐ AGP 4X  
 SCSI Adaptec ASC-39160 Ultra160 ☐ ISA ☒ PCI\_Solt: 2  
 Sound Realtek ALC202A AC'97 ☐ PCI\_Slot:     ☒ On board  
 LAN Realtek RTL8100BL ☐ PCI\_Slot:     ☒ On board  
 Mouse Logitech First Mouse+ Mouse ☐ COM ☒ PS/2

The following SCSI devices test and 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 32bit colors, resolution refresh rate of 85Hz, small font.

ITEM	Vendor	Model Name	Product Description
Hard Disk	IBM	DDRS-39130	Ultra2 SCSI HDD 9.1GB
		IC35L018UWD210	Ultra160 18GB
		DMVS COMP IEC-950	Ultra2 Wide 36GB
		IC35L036UWD210	Ultra160 36GB
	Seagate	ST318437LW	Barracuda Ultra160 Wide 18GB
		ST39204LW	Cheetah Ultra160 Wide 9GB
		ST318406LW	Cheetah Ultra160 Wide 18GB
		ST318452LW	Cheetah Ultra160 Wide 18GB
		ST336706LW	Cheetah Ultra160 Wide 36GB
		ST336752LW	Cheetah Ultra160 Wide 36GB
CD-ROM / CD-RW	Plextor	PX-40Tsi	Ultra SCSI CD-ROM 40X
	Toshiba	XM-6210B	Ultra SCSI CD-ROM 32X
	Panasonic	CR-508	SCSI-II CD-ROM 24X
		LF-D291	SCSI-II 4.7GB DVD-RAM
	TEAC	CDR 56S	(24R6W) CD-RW 24X
		CD-532S	Ultra SCSI CD-ROM 32X
		CD-W512S-B82	(32R12W10RW) CD-RW
	Nichimen	CDR-BP3N	(32R12W10RW) CD-RW 32X
	Afreedy	CD-2050S	Ultra SCSI CD-ROM 50X
	YAMAHA	CRW2100S	(40R16W10RW) CD-RW 40X

### 8.3.2 IDE Fixed Disk Drive Products

#### Test Configuration:

**OS Ver** ☒ Win XP Ver: 2002 .  
☒ Win 2000 Ver: 5.00.2195 .  
**CPU** AMD Athlon XP 2000+(1667MHz) ☒ AMD  
**Memory** Apacer 256MB (Nanya) **Total: 512 MB** ☐ PC1600 ☒ PC2100  
**VGA** VIA KM266 AGP ☒ Onboard ☐ AGP 4X  
**CD-ROM** Lite-On LTD-163 16X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**Sound** Realtek ALC202A AC'97 ☐ PCI\_Slot:     ☒ On board  
**LAN** Realtek RTL8100BL ☐ PCI\_Slot:     ☒ On board  
**Mouse** Logitech First Mouse+ Mouse ☐ COM ☒ PS/2

The following IDE devices test and WinStone 2001/Copy large files(over 500MB) under Windows XP/2000 with OS default drivers installed and set to the follow condition 1024 x 768 x 32bit 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
	IC35L080AVVA07	82.3GB
	IC35L120AVVA07	120GB
Maxtor	51536H2	15.3GB
	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 WD800JB	80GB
	Caviar WD1000BB	100GB
	Caviar WD1200BB	120GB
	Caviar WD1200JB	120GB
Samsung	SV3063H	30.6GB
	SV4084H	40.8GB

### IDE ATA/133

Vendor	Model Name	Capacity
Maxtor	6L040J2	40GB
	6L040L2	40GB
	6L060J3	60GB
	6L060L3	60GB
	6L080J4	80GB
	6L080L4	80GB
	4G160JB	160GB

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

#### Test Configuration:

**OS Ver** ☒ Win XP Ver: 2002  
**CPU** AMD Athlon XP 1900+(1600MHz) ☒ AMD  
**Memory** Apacer 128MB (Mosel) **Total:** 256 MB ☐ PC1600 ☒ PC2100  
**VGA** VIA KM266 AGP ☒ Onboard ☐ AGP 4X  
**HDD** Seagate ST-380021A 80GB IDE ☒ ATA/100 ☐ ATA/133  
**Sound** Realtek ALC202A AC'97 **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**LAN** Realtek RTL8100BL ☐ PCI\_Slot:     ☒ On board  
**Mouse** Logitech TrackmanMarble Mouse ☐ PCI\_Slot:     ☒ On board  
☐ COM ☒ PS/2

The following IDE devices test play VCD or DVD/Copy large files(over 500MB) under windows XP with OS default drivers installed and set to the follow condition 1024 x 768 x 32bit 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 UDMA2
	LTN-485S	ATAPI CD-ROM 48X UDMA2
TEAC	CD-540E	ATAPI CD-ROM 40X Mode3
4KUS	CCD-52X6D	ATAPI CD-ROM 52X UDMA2
SONY	CDU4811	ATAPI CD-ROM 48X UDMA2
ASUS	CD-S500/A	ATAPI CD-ROM 50X UDMA2
	CD-S520/A	ATAPI CD-ROM 52X UDMA2
Mitsumi	CRMC-FX4820T	ATAPI CD-ROM 48X Mode4
	FX5400W	ATAPI CD-ROM 54X Mode4
LG	CRD-8522B	ATAPI CD-ROM 52X Mode4
AOpen	CD-952E/AKH	ATAPI CD-ROM 52X UDMA2
BTC	BCD 48SB	ATAPI CD-ROM 48X UDMA2

### 8.3.3.2 ATAPI DVD-ROM:

Vendor	Model Name	Product Description
ASUS	DVD-E616	ATAPI DVD-ROM 16X
SONY	DDU1211	ATAPI DVD-ROM 12X
	DDU1621	ATAPI DVD-ROM 16X
Pioneer	DVD-115	ATAPI DVD-ROM 16X
	DVD-116	ATAPI DVD-ROM 16X (UDMA4)
	DVD-106S/2	ATAPI DVD-ROM 16X (UDMA4)
Actima	AD12H	ATAPI DVD-ROM 12X
	AD16H	ATAPI DVD-ROM 16X
Acer	DVP 1640A	ATAPI DVD-ROM 16X
Panasonic	SR-8587-B	ATAPI DVD-ROM 16X
EPO	DVD-8216	ATAPI DVD-ROM 16X (UDMA2)
Creative	DVD1242E	ATAPI DVD-ROM 12X
LG	DRD-8120B	ATAPI DVD-ROM 12X
NEC	DV-5700B	ATAPI DVD-ROM 12X (UDMA2)
	DV-5800A	ATAPI DVD-ROM 16X (UDMA2)
Lite-On	LTD-163	ATAPI DVD-ROM 16X
Aopen	DVD1648	ATAPI DVD-ROM 16X (UDMA4)
BTC	BDV 316B	ATAPI DVD-ROM 16X (UDMA2)
BenQ	DVD 1648A	ATAPI DVD-ROM 16X

## 8.4 Peripherals

### 8.4.1 Parallel/Serial Port Products (Including IR)

#### Test Configuration:

**OS Ver** ☒ Win XP Ver: 2002  
**CPU** AMD Athlon XP 2000+(1667MHz) ☒ AMD  
**Memory** Infineon 128MB(Infineon) **Total:** 256 MB ☐ PC1600 ☒ PC2100  
**HDD** Seagate ST-340824A 40GB IDE ☒ ATA/100 ☐ ATA/133  
**Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**CD-ROM** BenQ DVD1648A 16X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**VGA** VIA KM266 AGP ☒ Onboard ☐ AGP 4X  
**Sound** Realtek ALC202A AC'97 **PCI Slot:**     ☒ On board  
**Mouse** Logitech TrackMan Marble Mouse **COM** ☒ PS/2

The following Parallel/Serial/IR devices be tested under Windows XP with OS default drivers installed.

Vendor	Product Description	Bus I/F
Iomega	Parallel ZIP250	LPT
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** AMD Athlon XP 1800+(1533MHz) ☒ AMD  
**Memory** Apacer 256MB (Nanya) **Total:** 512 MB ☐ PC1600 ☒ PC2100  
**HDD** IBM IC35L040A 40GB IDE ☒ ATA/100 ☐ ATA/133  
**Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**CD-ROM** 4KUS CCD-52X6D 52X IDE **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**VGA** VIA KM266 AGP ☒ Onboard ☐ AGP 4X  
**Sound** Realtek ALC202A AC'97 **PCI Slot:**     ☒ On board  
**LAN** Realtek RTL8100BL **PCI Slot:**     ☒ On board

The following Mouse devices test Office 2000 and Game under Windows XP 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 + SP1 **Ver:** 2002  
**CPU** AMD Athlon XP 2000+(1667MHz) ☒ AMD  
**Memory** Transcend 512MB (Winbond) **Total:** 1000 MB ☐ PC1600 ☒ PC2100  
**HDD** Maxtor 6L060J2 60GB IDE ☐ ATA/100 ☒ ATA/133  
**CD-ROM** BenQ DVD 1648A 16X IDE DVD **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**VGA** VIA KM266 AGP **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**Sound** Realtek ALC202A 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 + SP1 default driver installed.

#### 8.4.3.1 USB 1.1 Devices

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)
HUB	Belkin	Wireless Explorer USB Mouse (X08-12616)
		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
	HP	ScanJet 4200C
Speaker	YAMAHA	YST-MS35D
MO	OLYMPUS	Turbo MO MINI (MOS3390S)
HDD	Vipower	VP-8058 Mobile USB Adapter
ZIP	iomega	ZIP 250
CD-RW	SONY	Spessa CD-ReWritable Recorder
FDD		Generic USB FDD
GamePad	Logitech	WingMan Extreme USB GamePad
	Microsoft	SideWinder Strategic Commander
	Microsoft	SideWinder Game Voice
Joystick	Logitech	WingMan Formula Force joystick
	Microsoft	SideWinder Precision 2

#### 8.4.3.2 USB 2.0 Devices

Type	Vendor	Description
HUB	Hung	USB 2.0 Hi-Speed Hub
	ATEN	UH-204
HDD	Vipower	VP-8258 Mobile USB HDD Adapter
	Fujitsu	DYNA DISQ 20GB (MMA2200VB)
CD-R/RW	Plextor	PX-S88TU (24R8W8RW)
		PX-W2410TU (40R24W10RW)
	YAMAHA	CRW-70 (24R12W8RW)
Scanner	EPSON	Perfection 2450 Photo
MO	Fujitsu	DYNA MO 1300U2 (MDG3130UB)

## 8.5 Power Supply Products

### Test Configuration:

**OS Ver** ☒ Win XP + SP1 Ver: 2002  
**CPU** AMD Athlon XP 1900+(1600MHz) ☒ AMD  
**Memory** PQI 256MB (PQI) **Total:** 512 MB ☐ PC1600 ☒ PC2100  
**HDD** Maxtor 4D040K2 40GB IDE ☒ ATA/100 ☐ ATA/133  
**Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**CD-ROM** EPO DVD-8216 16X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**VGA** VIA KM266 AGP ☒ Onboard ☐ AGP 4X  
**Sound** Realtek ALC202A 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 XP with over 5 times.

Vendor	Product Description	Power	AC Input Voltage	Type
DELTA	DPS-200PB-103D	200W	110/220	ATX
	DPS-200PB-103F	200W	110/220	ATX
	DPS-300KB A Rev:00	300W	110/220	ATX
	DPS-250KB-3 A	250W	110/220	ATX
	DPS-300KB-1 A	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
	ST-301HR	300W	110/220	ATX
	ST-400GL	400W	110/220	ATX
Enlight	HPC-300-101 Rev:C0	300W	110/220	ATX
	HPC-340-101	340W	110/220	ATX
ENERMAX	EG265P-VE	250W	110/220	ATX
	EG301P-VE	300W	110/220	ATX
Seasonic	SS-250FS	250W	110/220	ATX
	SS-300FS	300W	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
HEC	HEC-250VR-T	250W	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



STR	SPS-300W Rev:03	300W	220	ATX
..CG	300PA	300W	220	ATX
HEDY	DPS-250GB-2A	145W	220	SFX
HOPELY	ATX-180SE-PSIII	180W	220	SFX

## 9. Software Compatibility Test Suite

### 9.1 Base Operating System

#### 9.1.1 Microsoft Windows 98 SE:

##### Test Configuration:

**CPU** AMD Athlon XP 2000+(1667MHz) ☒ AMD  
**Memory** KingMax 256MB(KingMax) **Total: 512 MB** ☐ PC1600 ☒ PC2100  
**HDD** WD Caviar WD600 60GB IDE ☒ ATA/100 ☐ ATA/133  
**VGA** VIA KM266 AGP **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
☒ Onboard ☐ AGP 4X  
**Sound** Realtek ALC202A AC'97 ☐ PCI\_Slot: \_\_. ☒ On board  
**CD-ROM** NEC DV-5800A 16X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**LAN** Realtek RTL8100BL ☐ 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 V2.0 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	
Shutdown (system power off)	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
CC WinStone 2002 v1.0.1	PASS	22.0

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** AMD Athlon XP 2000+(1667MHz) ☒ AMD  
**Memory** KingSton 256MB(Samsung) **Total: 512 MB** ☐ PC1600 ☒ PC2100  
**HDD** Maxtor 54098H8 40.9GB IDE ☐ ATA/66 ☒ ATA/100 ☐ ATA/133  
**Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**VGA** VIA KM266 AGP ☒ Onboard ☐ AGP 4X  
**Sound** Realtek ALC202A AC'97 ☐ PCI\_Slot: \_\_ ☒ On board  
**CD-ROM** SONY DDU1621 16X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**LAN** Realtek RTL8100BL ☐ PCI\_Slot: \_\_ ☒ On board  
**Mouse** Microsoft IntelliMouse Mouse ☐ COM ☒ PS/2

Test Item	Result	Remark
<b>FDISK (FAT32)</b>	PASS	
<b>FIC CD-PRO all M/B drivers Install &amp; Test</b>	PASS	
<b>FIC CD-PRO all Application Install &amp; Test</b>	PASS	
<b>FIC CD-Plus V2.0 Auto run test</b>	PASS	
<b>Device Management check (No Caution)</b>	PASS	
<b>Large file Copy from CD/DVD-ROM (Over 500MB)</b>	PASS	
<b>DVD play (name: <i>Deep Blue Sea</i> )</b>	PASS	
<b>Power Management (Stand By function)</b>	<b>Power button</b>	PASS
	<b>Keyboard Sleep Key</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</b>	PASS
	<b>Start → Shut down item</b>	PASS
<b>CC WinStone 2002 v1.0.1</b>	PASS	<b>21.0</b>
<b>WinStone 2001 V1.0.3</b>	PASS	<b>56.4</b>

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 + Service Pack 1:

#### Test Configuration:

**CPU** AMD Athlon XP 2000+(1667MHz) ☒ AMD  
**Memory** Micron 512MB(Micron) **Total:** 1000 MB ☐ PC1600 ☒ PC2100  
**HDD** Maxtor 6L060J3 60GB IDE ☐ ATA/66 ☐ ATA/100 ☒ ATA/133  
**Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**VGA** VIA KM266 AGP ☒ Onboard ☐ AGP 4X  
**Sound** Realtek ALC202A AC'97 ☐ PCI\_Slot:\_\_\_ ☒ On board  
**CD-ROM** Pioneer DVD-116 16X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**LAN** Realtek RTL8100BL ☐ PCI\_Slot:\_\_\_ ☒ On board  
**Mouse** Microsoft IntelliMouse Mouse ☐ 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 V2.0 Auto run test		PASS	
Device Management check (No Caution)		PASS	
Large file Copy from CD/DVD-ROM (Over 500MB)		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 v1.0.1		PASS	26.2
WinStone 2001 v1.0.3		PASS	40.0

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
Windows XP Service Pack	1.0	English	Microsoft	Pass

### 9.1.4 Microsoft Windows 2000 + Service Pack 3:

#### Test Configuration:

**CPU** AMD Athlon XP 2000+(1667MHz) ☒ AMD  
**Memory** Apacer 512MB(Samsung) **Total: 1000 MB** ☐ PC1600 ☒ PC2100  
**HDD** WD Caviar WD1200BB 120GB IDE ☐ ATA/66 ☒ ATA/100 ☐ ATA/133  
**Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**VGA** VIA KM266 AGP ☒ Onboard ☐ AGP 4X  
**Sound** Realtek ALC202A AC'97 ☐ PCI\_Slot:\_\_\_ ☒ On board  
**CD-ROM** Panasonic SR-8587-B 16X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**LAN** Realtek RTL8100BL ☐ 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	
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 v1.0.1	PASS	28.6
WinStone 2001 V1.0.3	PASS	46.0

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	3.0	English	Microsoft	Pass

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

#### Test Configuration:

**CPU** AMD Athlon XP 2000+(1667MHz) ☒ AMD  
**Memory** Infineon 512MB(Infineon) **Total:** 1000 MB ☐ PC1600 ☒ PC2100  
**HDD** IBM DTLA-307060A 61.4GB IDE ☐ ATA/66 ☒ ATA/100 ☐ ATA/133  
**Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**VGA** VIA KM266 AGP ☒ Onboard ☐ AGP 4X  
**Sound** Realtek ALC202A AC'97 ☐ PCI\_Slot:     ☒ On board  
**CD-ROM** Lite-On LTD-163 16X DVD-ROM **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**Mouse** Logitech Mouse+ Mouse ☐ COM ☒ PS/2

Test Item	Result	Remark
Install Win NT with NTFS (boot from CD )	PASS	
Install Service Pack 6.0	PASS	
Format FDD	PASS	
Cool boot 2 times under every combination	PASS	
Reboot 2 times under every combination	PASS	
VGA Resolution/Color change	PASS	
Large file Copy (one file Over 500MB)	PASS	

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** AMD Athlon XP 2000+(1667MHz) ☒ AMD  
**Memory** Apacer 256MB (Nanya) **Total:** 512 MB ☐ PC1600 ☒ PC2100  
**HDD** Fujitsu MPB3032AT 3.2GB IDE ☐ PIO4 ☒ ATA/33  
**VGA** VIA KM266 AGP **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
☒ 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.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 VIA KM266 Video , so VGA driver install by OS/2 standard .

\* Don't driver support VIA KT8235+ALC202A Audio , so Audio driver install by OS/2 standard .



**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