

FIC AN17 PCI/AGP SYSTEM BOARD BOARD LEVEL COMPATIBILITY TEST REPORT

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Supervisor	Tester

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Revision History

Document Release	Date	Change Item	ECN
Revision 1.00	4/29/2002	Initial Release.	
Revision 1.01	8/08/2002	BIOS update version to VHB42 Add support AMD Thoroughbred /0.13 CPU Athlon XP 2000+(Thoroughbred /1667) Athlon XP 2100+(Thoroughbred /1733) Athlon XP 2200+(Thoroughbred /1800)	M02104-E-009
Revision 1.02	9/26/2002	Add support DDR333/PC2700 DRAM as below: KingSton 512MB/Winbond IC. Apacer 512MB/Samsung IC. Infineon 256MB/Infineon IC. Transcend 512MB/Samsung IC.	
Revision 1.03	10/15/2002	Add support DDR333/PC2700 DRAM as below: KingSton 256MB/Infineon IC. Transcend 256MB/Samsung IC. Transcend 512MB/Winbond IC.	



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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 : AN17 PCB Rev 1.1
Product Name : VIA KT333 Based Mainboard
System BIOS : Award BIOS Version VHB42
PCI IDE : Internal PCI Mastre dual IDE
I/O : Winbond W83627HF-AW

3. Mainboard CPU Supports:

AMD Processors	Bus	Status
Duron 750MHz	100	Pass
Duron 800MHz	100	Pass
Duron 850MHz	100	Pass
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 800MHz	100	Pass
Athlon 850MHz	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/1400)	133	Pass
Athlon XP 1600+ (Thoroughbred/1400)	133	Pass
Athlon XP 1700+ (Palomino/1467)	133	Pass
Athlon XP 1700+ (Thoroughbred /1467)	133	Pass
Athlon XP 1800+ (Palomino/1533)	133	Pass
Athlon XP 1800+ (Thoroughbred /1533)	133	Pass
Athlon XP 1900+ (Palomino/1600)	133	Pass
Athlon XP 1900+ (Thoroughbred /1600)	133	Pass
Athlon XP 2000+ (Palomino/1667)	133	Pass
Athlon XP 2000+ (Thoroughbred /1667)	133	Pass
Athlon XP 2100+ (Palomino/1733)	133	Pass
Athlon XP 2100+ (Thoroughbred /1733)	133	Pass
Athlon XP 2200+ (Thoroughbred /1800)	133	Pass

- Socket A Fan-Sink : Please refer to AMD's Web side recommendation. Especially, over 850 MHz CPUs.

4. System Specification for Hardware and Software Utilities

The mainboard hardware portion was configured as follows :

Item	Description
System Core Logic	VIA KT333 + 8233A
System Cache	64/256K Pipeline Burst SRAM Built-in CPU
System Memory	DDR200/266/300/333(PC1600/2100/2400/2700) Support
	Maximum : 3GB DDR DRAM
	184 pins single RAS and Double RAS DDR SDRAM Module
System Slots	1 AGP and 5 PCI and 1 AMR slots
Audio	VIA 8233A AC'97 Audio with Realtek ALC201A codec
RAID (Option)	Promise PDC20265R IDE RAID
I/O	Winbond W83627HF-AW 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	Logo Genie	PASS
		FirstAID (H/W monitor)	PASS
		BIOS Easy Kit	PASS
		BIOS Flash Protect (Guardian feature)	PASS
6	Ultra DMA 33/66/100/133 Enhanced IDE Interface		PASS
7	Onboard AC'97 Audio (Front/Rear)		PASS
8	Onboard Promise PDC20265R IDE RAID		PASS
9	AMR Slot Function		PASS
10	USB 1.1 Function (Front/Rear)		PASS
11	Power Failure feature		PASS
12	System Shutdown Temperature		PASS

4.2 Main Software Utilities :

Num.	M/B function	Version	Result
1	VIA 4 in 1 Chipset Driver	4.38	PASS
2	VIA VT8233A Audio driver for Win 9x/ME/XP/2000	1.70	PASS
3	Promise IDE RAID driver for Win 9x/ME/XP/2000	2.00(Build 24)	PASS
4	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)	PW_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	Open	Pass
IR interface	IRRX/IRTX	Open	Pass
Host Frequency Jumper	FS	1-2	Pass
RAID/ATA-100 Select Jumper	RAID_JP	1-2	Pass
Auto Detect Core Voltage Setting	ADV_EN	1-2	Pass
CPU Core Voltage Setting	ADV	off-off-off-off	Pass

6. Stability Test

6.1 CPU Over Clock Test:

System Configuration	
CPU : AMD Athlon XP 2000+ (FSB133)	FDD : NEC FD1231T 1.44MB
Cache Memory : 256KB	Audio : Onboard VIA VT8233A AC'97
Memory : Seitec DDR266 512MB X 2	Mouse : Microsoft PS/2 mouse
HDD (ATA/100) : Samsung SV3036H 30GB	PowerSupply : Seventeam ST-250BLV 250W
VGA : Gainward Geforce3 Ti 200 AGP	O.S. Environment: Windows XP
DVD-ROM : ASUS DVD-E616 16X DVD	

NO.	Over clock level		Test Result				
	FSB	CPU ID	Cool boot	Install OS	S3	Winstone 2001	3D Mark2001
1	138MHz	2100+	Pass	Pass	Pass	49.3	7023
2	140MHz	2200+	Pass	Pass	Pass	49.7	7078

6.2 Full Loading Test: (1 day)

System Configuration	
CPU : AMD Athlon XP 2000+	FDD : NEC FD1231T 1.44MB
Cache Memory : 256 K	Audio : Onboard VIA VT8233A AC'97
Memory : Seitec DDR266 512MB X 2	Mouse : Microsoft PS/2 mouse
HDD 1 : Maxtor 5T060H6 61GB	PowerSupply : Seventeam ST-250BLV 250W
HDD2 : Seagaye ST340810A 40GB	O.S. Environment: Windows 2000
DVD-ROM1 : ASUS DVD-E616 16X DVD	
DVD-ROM2 : Actima AD12H 12X DVD	
VGA : Gainward Geforce3 Ti 200 AGP	

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

6.3 PCB Cool Boot Test: (1 day)

System Configuration	
CPU : AMD Athlon XP 1800+	FDD : NEC FD1231T 1.44MB
Cache Memory : 256 K	PowerSupply : HOPELY ATX-250SE-P4 250W
Memory : Apacer DDR266 256MB x 3	
VGA : ELSA GLADIAC MX AGP	

Test Result	
Cool Boot (over 500 times)	Pass

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

Software Name	Duration	Result
CC Winstone 2002	12hr.	<i>Pass</i>
Test Configurations for Win 2000	AMD Athlon XP 1800+ WD Caviar WD600 ATA/100 60GB HDD KingMax 256MB DDR266 DRAM Memory. X 2 ELSA GLADIAC 511 AGP	
BCM	12hr.	<i>Pass</i>
Test Configurations for Win ME	AMD Athlon XP 1700+ WD Caviar 300 ATA/100 30GB HDD Apacer 128MB DDR266 DRAM Memory. X 3 Matrox Millennium G550 AGP	
3D Mark 2001 SE	12hr.	<i>Pass</i>
Test Configurations for Win XP	AMD Athlon XP 1900+ Maxtor 6L040J2 ATA/133 40GB HDD Buffalo 128MB DDR266 DRAM Memory. X 3 ELSA GLADIAC 921 DVI AGP	

8. Hardware Compatibility Test Suite

8.1 Memory

Test Configuration:

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

CPU AMD Athlon XP 2100+(1733MHz)

☒ AMD

HDD WD Caviar 800 80GB IDE

☒ ATA/100 ☐ ATA/133

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

VGA ELSA GLADIAC 516 TV-Out

☐ Onboard ☒ AGP 4X

CD-ROM Actima AD16H 16X DVD

Channel: ☐ PM ☐ PS ☒ SM ☐ SS

Sound VIA 8233A AC'97(with ALC201A)

☐ PCI_Slot: ☒ On board

Mouse Microsoft IntelliMouse PS/2 Mouse

☐ COM ☒ PS/2

The following DDR DRAM module test Winstone 2001/3D Mark 2001/STR(S3) under Windows XP/2000 and run Memtest 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	256MB	D	77.10203.540 (Nayna)
Buffalo	K4H280838B-TCB0	128MB	D	PC266DD128N8C (Samsung)
Crucial	MT46V16M8-75A	128MB	S	CT1672Z265.9T (Micron)
	MT46V16M8-75A	256MB	D	CT3272Z265.18T (Micron)
Hynix	HY5DU28822AT-H	256MB	D	HYMD132645 A8-H
KingMax	KDL684T4A2A-07A	128MB	S	MPDA82D-68KX2
	KDL684T4A2A-07A	256MB	D	MPDB62D-68KX2
Transend	NT5DS16M8AT-7K	128MB	S	TS16MLD64V6D5 (Nanya)
	NT5DS16M8AT-7K	256MB	D	TS32MLD64V6D5 (Nanya)
	K4H280838B-TCB0	128MB	S	TS16MLD64V6D5 (Samsung)
	K4H280838B-TCB0	256MB	D	TS32MLD64V6D5 (Samsung)
	MT46V16M8-75A	128MB	S	TS16MLD64V6D5 (Micron)
	MT46V16M8-75A	256MB	D	TS32MLD64V6D5 (Micron)
	W942508AH-75	512MB	D	(Winbond)
Infineon	HYB25D128800AT-7	128MB	D	HYS64D16000GU-7-A
	HYB25D256800AT-7	256MB	D	HYS64D32000GU-7-A
	HYB25D256800AT-7	512MB	D	HYS64D64020GU-7-A
Elixir	N2DS12880AT-75B	256MB	D	M2U25664DS8HA0G-75B

SEITEC	DDR32M8AT-7	512MB	D	184DR512M638
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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
PAN	K4H560838C-TCB3 (Samsung)	256MB	S	M368L3223CTL-CB3
KingSton	W942508AH-6 (Winbond)	512MB	D	KVR333X64C25/512
	HYB25D256809AT-6 (Infineon)	256MB	S	KVR333X64C25/256
Apacer	K4H560838C-TCB3 (Samsung)	256MB	S	TS32MLD64V3F5
Infineon	HYB25D256800BT-6	256MB	S	HYS64D32000GU-6-B
Transcend	K4H560838C-TCB3 (Samsung)	512MB	D	TS64MLD64V3F5
	K4H280838D-TCB3 (Samsung)	256MB	D	TS32MLD64V3D5
	W942508BH-6 (Winbond)	512MB	D	TS64MLD64V3F5

8.2 Add-on Cards

8.2.1 Display Adapter Products (AGP)

Test Configuration:

OS Ver ☒ Win XP Ver: 2002

CPU AMD Athlon XP 1900+(1600MHz)

HDD Maxtor 6L040J2 40GB IDE

Memory Hynix 256MB(Hynix)

CD-ROM NEC DV-5800A 16X IDE DVD

Sound VIA 8233A AC'97(with ALC201A)

LAN Intel 82559

Mouse Logitech MouseMan Mouse

☒ AMD

☒ ATA/100 ☒ ATA/133

Channel: ☒ PM ☒ PS ☒ SM ☒ SS

Total: 512 MB ☒ PC2700 ☒ PC2100

Channel: ☒ PM ☒ PS ☒ SM ☒ SS

☒ PCI_Slot: ☒ On board

☒ PCI_Slot: 2 ☒ On board

☒ 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 16bit colors, resolution refresh rate of 85Hz, small font.

4X AGP Display Adapter Products

Vendor	VGA Chip	Product Description	Driver version
Leadtek	Riva Geforce3	WinFast Geforce3	5.13.01.2750
	GeForce4 MX 400	A170 DDR	6.13.10.2720
ATI	Rage 128 Pro	XPRT 2000 Pro	6.13.3279
	Radeon	Radeon	6.13.10.6015
	Radeon 8500LE	Radeon 8500LE	6.13.10.6015

FIC	Radeon 8500LE	AT008-250	6.13.10.6015
	Radeon 8500	AT008-275	6.13.10.6015
ASUS	Riva GeForce2 Ti200	AGP-V7700 TI	5.13.01.2181
	Riva GeForce2 GTS	AGP-V7700 Deluxe	5.13.01.2181
	Riva GeForce3	AGP-V8200 Deluxe	5.13.01.2181
	GeForce3 Ti200	AGP-V8200 T2 Deluxe	5.13.01.2181
	GeForce3 Ti500	AGP-V8200 T5 Deluxe	5.13.01.2181
	GeForce3 Ti200	AGP-V8200 T2 Deluxe	5.13.01.2181
	GeForce4 MX400	AGP-V8170 DDR	6.13.10.2720
Matrox	MGA-G550	Millennium G550	5.13.01.1320
Visiontek	Riva Geforce3	Geforce3 (TV out)	6.13.10.2832
Gainward	GeForce3 Ti200	GeForce3 PowerPack !!!	6.13.10.2311
ELSA	Riva Geforce2 Ultra	GLADIAC Ultra	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
	GeForce3 Ti200	GLADIAC 721TV-Out	6.13.10.2311
	GeForce3 Ti500	GLADIAC 921 DVI	6.13.10.2311

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 Infineon 512MB (Samsung) **Total: 1000 MB** ☐ PC2700 ☒ PC2100
VGA Gainward Geforce3 ☐ Onboard ☒ AGP 4X
HDD Seagate ST-318406LW 18GB ☐ Ultra II SCSI ☒ Ultra Wide
CD-ROM YAMAHA CRW2100S 40X SCSI CD-RW ☒ Ultra SCSI ☐ Ultra Wide
Sound VIA 8233A AC'97(with ALC201A) ☐ PCI_Slot: ☒ On board
Mouse Logitech MouseMan Mouse ☐ COM ☒ PS/2

The following PCI SCSI cards run 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.

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 Seitec 512MB(Seitec) **Total:** 1000 MB ☐ PC2700 ☒ PC2100
VGA Gainward Geforce3 ☐ Onboard ☒ AGP 4X
HDD Seagate ST-318406LW 18GB ☒ ATA/100 ☐ ATA/133
CD-ROM ASUS DVD-E616 16X IDE DVD
Sound VIA 8233A AC'97(with ALC201A) Channel: ☒ PM ☐ PS ☐ SM ☐ SS
Mouse Microsoft IntelliMouse PS/2 Mouse Channel: ☐ PM ☐ PS ☒ SM ☐ SS
☐ 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

8.2.4 AMR Modem Products

Test Configuration:

OS Ver ☒ Win XP Ver: 2002 .
CPU AMD Athlon XP 2000+(1667MHz) ☒ AMD
Memory Seitec 512MB(Seitec) **Total:** 1000 MB ☐ PC2700 ☒ PC2100
VGA Gainward Geforce3 ☐ Onboard ☒ AGP 4X
HDD Seagate ST-318406LW 18GB ☒ ATA/100 ☐ ATA/133
CD-ROM ASUS DVD-E616 16X IDE DVD
Sound VIA 8233A AC'97(with ALC201A) Channel: ☒ PM ☐ PS ☐ SM ☐ SS
Mouse Microsoft IntelliMouse PS/2 Mouse Channel: ☐ PM ☐ PS ☒ SM ☐ SS
☐ PCI_Slot: ☒ On board
☐ COM ☒ PS/2

The following AMR card test includes connecting to the internet,download files under Windows XP with their respective modem drivers installed .

Vendor	Product Description	Type
Archtek	MRS-A-S 56K BPS FCC Fax/Modem	Modem
Well	56KV.90 Modem Riser Card(FM-56CNR-SL)	Modem

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 Hynix 256MB (Hynix) Total: 512 MB ☒ PC2700 ☒ PC2100
 VGA ELSA GLADIAC 920 ☒ Onboard ☒ AGP 4X
 SCSI ASC-39160 Ultra160 Wide SCSI ☒ ISA ☒ PCI_Solt: 2
 Mouse Logitech First Mouse+ Mouse ☒ COM ☒ PS/2

The following SCSI devices test to 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.

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 AMD Athlon XP 1700+(1467MHz)

Memory Hynix 256MB (Hynix)

VGA ASUS AGP-V8200 Deluxe

CD-ROM Pioneer DVD-116 16X IDE DVD

Sound VIA 8233A AC'97(with ALC201A)

Mouse Logitech First Mouse+ Mouse

☒ AMD

Total: 512 MB ☐ PC2700 ☒ PC2100

☐ Onboard ☒ AGP 4X

Channel: ☐ PM ☐ PS ☒ SM ☐ SS

☐ PCI_Slot: ☒ On board

☐ COM ☒ PS/2

The following IDE devices test and WinStone 2001/Copy large files under Windows XP 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.

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	ST330631A	30.6GB
	ST340016A	40GB
	ST340810A	40GB
	ST340824A	40GB
	ST380020A	80GB
	ST380021A	80GB
WD	Caviar WD400	40GB
	Caviar WD600	60GB
	Caviar WD800	80GB
	Caviar WD1000	100GB
	Caviar WD1200	120GB
Samsung	SV3063H	30.6GB

	SV4084H	40.8GB
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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 AMD Athlon XP 1600+(1400MHz) ☒ AMD
Memory Samsung 256MB (Samsung) **Total: 512 MB** ☐ PC2700 ☒ PC2100
VGA ASUS AGP-V8200 Deluxe ☐ Onboard ☒ AGP 4X
HDD Maxtor 6L080J4 80GB IDE ☐ ATA/100 ☒ ATA/133
Sound VIA 8233A AC'97(with ALC201A) **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS
Mouse Logitech TrackmanMarble Mouse ☐ PCI_Slot: ☒ On board
☐ COM ☒ PS/2

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

8.3.3.1 ATAPI CD-ROM:

Vendor	Model Name	Product Description
Acer	650P	ATAPI CD-ROM 50X UDMA2
AOpen	CD-952E/AKH	ATAPI CD-ROM 52X UDMA2
LITE-ON	LTN-403L	ATAPI CD-ROM 40X UDMA2
	LTN-485S	ATAPI CD-ROM 48X UDMA2
Mitsumi	CRMC-FX4820T	ATAPI CD-ROM 48X Mode4
TEAC	CD-540E	ATAPI CD-ROM 40X Mode3
LG	CRD-8522B	ATAPI CD-ROM 52X Mode4

ASUS	CD-S500/A	ATAPI CD-ROM 50X UDMA2
Creative	CD4834E	ATAPI CD-ROM 48X UDMA2

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-115	ATAPI DVD-ROM 16X
	DVD-116/2	ATAPI DVD-ROM 16X (UDMA66)
	DVD-105S	ATAPI DVD-ROM 16X
	DVD-106S/2	ATAPI DVD-ROM 16X (UDMA66)
NEC	DV-5800A	ATAPI DVD-ROM 16X (UDMA33)
Panasonic	SR-8587-B	ATAPI DVD-ROM 16X
	LF-D211V	4.7GB DVD-RAM
Acer	DVP1640A	ATAPI DVD-ROM 16X
Creative	DVD1242E	ATAPI DVD-ROM 12X
LG	DRD-8120B	ATAPI DVD-ROM 12X
LITE-ON	LTD-122	ATAPI DVD-ROM 12X
	LTD-163	ATAPI DVD-ROM 16X
Afreedy	DD-4010E	ATAPI DVD-ROM 10X

8.4 Peripherals

8.4.1 Parallel/Serial Port Products (Including IR)

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000
 CPU AMD Athlon XP 1700+(1467MHz) ☒ AMD
 Memory Apacer 128MB(Samsung) Total: 256 MB ☐ PC2700 ☒ PC2100
 HDD IBM DTLA-307045 45GB IDE ☒ ATA/100 ☐ ATA/133
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS
 CD-ROM Creative DVD1242E 12X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS
 VGA Visiontek Geforce3 ☐ Onboard ☒ AGP 4X
 Sound VIA 8233A AC'97(with ALC201A) ☐ PCI_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
Mustek	Plug-N-Scan 1200CP EPP Scanner	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 Modem	COM
Logitech	WingMan Formula Force joystick	COM
Kodak	DC210 InfraRed/Serial port Digital camera	COM/IR
ACTisys	ACT-IR210L Receiver/Transceiver	IR
IRwave	IRwave320F Receiver/Transceiver	IR

8.4.2 Mouse Products

Test Configuration:

OS Ver ☒ Win XP Ver: 2002
 CPU AMD Athlon XP 1900+(1600MHz) ☒ AMD
 Memory Elixir 256MB (Elixir) Total: 512 MB ☐ PC2700 ☒ PC2100
 HDD WD Caviar WD300 30GB IDE ☒ ATA/100 ☐ ATA/133
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS
 CD-ROM Panasonic SB-8587-B 16X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS
 VGA ASUS AGP-V8170 DDR ☐ Onboard ☒ AGP 4X
 Sound VIA 8233A AC'97(with ALC201A) ☐ 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 Ver: 2002
CPU AMD Athlon XP 1700+(1467MHz) ☒ AMD
Memory Apacer 128MB(Samsung) **Total: 256 MB** ☐ PC2700 ☒ PC2100
HDD Maxtor 4K080H4 80GB IDE ☒ ATA/100 ☐ ATA/133
CD-ROM Creative DVD1242E 12X IDE DVD **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS
VGA Visiontek Geforce3 **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS
Sound VIA 8233A AC'97(with ALC201A) ☐ Onboard ☒ AGP 4X
Mouse Logitech First Mouse+ Mouse **PCI_Slot:** ☐ 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)
HDD (Adapter)	Vipower	VP-8058 Mobile USB Adapter
		VP-8258 Mobile USB Adapter
ZIP	iomega	ZIP 250
CD-RW	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
	Microsoft	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 AMD Athlon XP 1900+(1600MHz) ☒ AMD

Memory Elixir 256MB (Elixir)

Total: 512 MB ☐ PC2700 ☒ PC2100

HDD WD Caviar WD300 30GB IDE

☒ ATA/100 ☐ ATA/133

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

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

VGA ASUS AGP-V8170 DDR

☐ Onboard ☒ AGP 4X

Sound VIA 8233A AC'97(with ALC201A)

☐ 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 AMD Athlon XP 1900+(1600MHz) ☒ AMD
 Memory Apacer 256MB(Samsung) Total: 512 MB ☐ PC2700 ☒ PC2100
 HDD WD Caviar WD300 30GB IDE ☒ ATA/100 ☐ ATA/133
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS
 CD-ROM Panasonic SB-8587-B 16X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS
 VGA ELSA GLADIAC Pro ☐ Onboard ☒ AGP 4X
 Sound VIA 8233A AC'97(with ALC201A) ☐ 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(S1/S3) 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
	ST-301HR	300W	110/220	ATX
	ST-400GL	400W	110/220	ATX
Enlight	HPC-250-101 Rev:C	250W	110/220	ATX
	HPC-300-101 Rev:C0	300W	110/220	ATX
	HPC-340-101	340W	110/220	ATX
HIPRO	HP-250 NLXAK Rev:01	250W	110/220	ATX
	HP-250 NLXAA	250W	110/220	ATX
	HP-300SN Rev:02	300W	110/220	ATX
TELTA	HI-250PB	250W	110/220	ATX
	HI-300PB	300W	110/220	ATX
AOpen	FSP300-60GT	300W	110/220	ATX
FSP	FSP250-61GN(AMD)	250W	110/220	ATX
ILSSAN	ISP 250	250W	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
Adiance	PSIV-350-1 V2.03	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	K7-335 V2.02	300W	220	ATX
	ATX-310WB v2.03	300W	220	ATX
	ATX-320WB&P4	300W	220	ATX
..CG	300PA	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 AMD Athlon XP 1800+(1533MHz) ☒ AMD
Memory KingMax 256MB(KingMax) **Total: 512 MB** ☐ PC2700 ☒ PC2100
HDD WD Caviar WD600 60GB IDE ☒ ATA/100 ☐ ATA/133
VGA ELSA GLADIAC 511 **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS
☐ Onboard ☒ AGP 4X
Sound VIA 8233A AC'97(with ALC201A) ☐ PCI_Slot: __. ☒ On board
CD-ROM NEC DV-5800A 16X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS
LAN Edimax EN-9130TXA PCI ☒ PCI_Slot: 3. ☐ On board
Mouse Microsoft IntelliMouse Mouse ☐ COM ☒ PS/2

Test Item	Result	Remark
FDISK (FAT32)	PASS	
Format FDD	PASS	
FIC CD-PRO all M/B drivers Install & Test	PASS	
FIC CD-PRO all Application Install & 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
CC WinStone 2002	PASS	22.1
3D Mark 2001	PASS	2798

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 AMD Athlon XP 1800+(1533MHz) ☒ AMD
Memory Transcend 256MB(Samsung) **Total: 512 MB** ☐ PC2700 ☒ PC2100
HDD Maxtor 54098H8 40.9GB IDE ☐ ATA/66 ☒ ATA/100 ☐ ATA/133
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
VGA ATI Radeon 8500LE ☐ Onboard ☒ AGP 4X
Sound VIA 8233A AC'97(with ALC201A) ☐ PCI_Slot: ☒ On board
CD-ROM SONY DDU1621 16X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS
LAN Accton Cheetah PCI ☒ PCI_Slot: **2** ☐ 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	
Device Management check (No Caution)		PASS	
Large file Copy from CD/DVD-ROM (Over 500MB)		PASS	
Install Office XP		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	19.7
3D Mark 2001		PASS	7713

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 AMD Athlon XP 1800+(1533MHz) ☒ AMD
Memory Micron 512MB(Micron) **Total:** 1000 MB ☐ PC2700 ☒ PC2100
HDD Maxtor 6L060J3 60GB IDE ☐ ATA/66 ☐ ATA/100 ☒ ATA/133
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
VGA ELSA GLADIAC 921 DVI ☐ Onboard ☒ AGP 4X
Sound VIA 8233A AC'97(with ALC201A) ☐ 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	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	
Device Management check (No Caution)		PASS	
Large file Copy from CD/DVD-ROM (Over 500MB)		PASS	
Install Office XP		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	51.2
CC WinStone 2002		PASS	24.5
3D Mark 2001		PASS	7691

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 AMD Athlon XP 1800+(1533MHz) ☒ AMD
Memory Samsung 512MB(Samsung) **Total: 1000 MB** ☐ PC2700 ☒ PC2100
HDD WD Caviar WD1000 100GB IDE ☐ ATA/66 ☒ ATA/100 ☐ ATA/133
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
VGA ELSA GLADIAC 721 TV-Out ☐ Onboard ☒ AGP 4X
Sound VIA 8233A AC'97(with ALC201A) ☐ PCI_Slot: ☒ On board
CD-ROM Panasonic SR-8587-B 16X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS
LAN 3COM 3C905C-TX PCI ☒ PCI_Slot: **3** ☐ 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	
WinStone 2001		PASS	48.7
CC WinStone 2002		PASS	33.1
3D Mark 2001		PASS	2784

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 AMD Athlon XP 1800+(1533MHz) ☒ AMD
Memory Infineon 512MB(Infineon) **Total: 1000 MB** ☐ PC2700 ☒ PC2100
HDD IBM IC35L060A 61.5GB IDE ☐ ATA/66 ☒ ATA/100 ☐ ATA/133
VGA Matrox Millennium G550 **Channel: ☒ PM ☐ PS ☐ SM ☐ SS**
Sound VIA 8233A AC'97(with ALC201A) ☐ 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	
DVD play (name: <i>Deep Blue Sea</i>)	PASS	
WinStone 2001	PASS	43.5
CC WinStone 2002	PASS	23.2

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 1800+(1533MHz) ☒ AMD
Memory Apacer 256MB (Nanya) **Total: 512 MB** ☐ PC2700 ☒ PC2100
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 VIA VT8233A AC'97 Audio.

9.1.7 LINUX :

Test Configuration:

CPU AMD Athlon XP 1700+(1467MHz) ☒ AMD
Memory Apacer 128MB (Samsung) **Total: 256 MB** ☐ PC2700 ☒ PC2100
HDD IBM DTLA-305020 20GB IDE ☒ ATA/100 ☐ ATA/133
VGA Visiontek Geforce3 **Channel: ☒ PM ☐ PS ☐ SM ☐ SS**
CD-ROM ASUS DVD-E612 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

* You have to set "APIC mode"(BIOS item) to Enabled before install Open Linux 3.1



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