

FIC AN11 PCI/AGP SYSTEM BOARD BOARD LEVEL COMPATIBILITY TEST REPORT

Document Number: *MB-495*

Product Version: *V 1.4*

BIOS Version: **VHA43**

Report Date: **3/15/2002**

Revision: **1.01**

Supervisor	Tester

FIC Research & Development Department
B1 #100 Min-Chuan Road, Hsin-Tien City Taipei,Taiwan, R.O.C



Revision History

Document Release	Date	Change Item	ECN
Revision 1.00	12/26/2001	Initial Release.	
Revision 1.01	3/15/2002	BIOS update version to VHA43 Add support AMD Athlon XP 2100+(1733MHz) CPU Add support Maxtor 4G160JB ATA/133 160GB IDE HDD.	M00B04- E-011



Table of Contents

1. Introduction	4
2. Mainboard Features	5
3. Mainboard CPU Supports:	5
4. System Specification for Hardware and Software Utilities	6
4.1 Main Functionality :	6
4.2 Main Software Utilities :	6
5. Jumper Function Verification	7
6. Stability Test	8
6.1 CPU Over Clock Test:	8
6.2 Full Loading Test: (1 day)	8
6.3 PCB Cool Boot Test: (1 day)	8
7. Field (Stress) Test: Dynamic Burn-in Tests	9
8. Hardware Compatibility Test Suite	10
8.1 Memory	10
8.1.1 DDR DRAM Module (DDR266/PC2100)	10
8.1.2 DDR DRAM Module (DDR300/PC2400)	12
8.1.3 DDR DRAM Module (DDR333/PC2600)	12
8.2 Add-on Cards	12
8.2.1 Display Adapter Products	12
8.2.2 SCSI Adapter Products	13
8.2.3 PCI Modem Products	14
8.2.4 AMR Modem Products	14
8.2.5 PCI Audio Products	15
8.3 Storage	16
8.3.1 SCSI Peripheral Products	16
8.3.2 IDE Fixed Disk Drive Products	17
8.3.3 ATAPI CD-ROM /DVD-ROM Device Product	18
8.3.3.1 ATAPI CD-ROM:	18
8.3.3.2 ATAPI DVD-ROM:	18
8.4 Peripherals	20
8.4.1 Parallel/Serial Port Products (Including IR)	20
8.4.2 Mouse Products	20
8.4.3 USB Device Products	21
8.4.4 Game Port Device Products	22
8.5 Power Supply Products	23
9. Software Compatibility Test Suite	25
9.1 Base Operating System	25
9.1.1 Microsoft Windows 98 SE:	25
9.1.2 Microsoft Windows ME:	27
9.1.3 Microsoft Windows XP/Home Edition:	29
9.1.4 Microsoft Windows 2000 + Service Pack 2:	31
9.1.5 Microsoft Windows NT 4.0 + Service Pack 6:	33
9.1.6 IBM OS/2 4.0:	34
9.1.7 LINUX :	34

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 : AN11 PCB Rev 1.4
Product Name : VIA KT266A Based Mainboard
System BIOS : Award BIOS Version VHA43
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 1700+ (Palomino/1467)	133	Pass
Athlon XP 1800+ (Palomino/1533)	133	Pass
Athlon XP 1900+ (Palomino/1600)	133	Pass
Athlon XP 2000+ (Palomino/1667)	133	Pass
Athlon XP 2100+ (Palomino/1733)	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 KT266A + 8233
System Cache	256K Pipeline Burst SRAM Built-in CPU
System Memory	Maximum : 3GB DDR DRAM 184 pins single RAS and Double RAS DDR SDRAM Module
System Slots	1 AGP and 5 PCI and 1 ACR slots
Audio	VIA 8233 AC'97 codec
RAID (Option)	Promise PDC20265 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
	BIOS Easy Kit	PASS
	BIOS Flash Protect (Guardian feature)	PASS
6	Ultra DMA 33/66/100 Enhanced IDE Interface	PASS
7	Onboard AC'97 Audio (Front/Rear)	PASS
8	Onboard IDE RAID	PASS
9	ACR Slot Function	PASS
10	USB Function (Front/Rear)	PASS
11	Power Failure feature	PASS
12	System Shutdown Temperature	PASS
13	Year 2000 Compliance	PASS

4.2 Main Software Utilities :

Num.	M/B function	Version	Result
1	VIA 4 in 1 Chipset Driver	4.35	PASS
2	VIA VT8233 Audio driver for Win 9x/ME/XP/2000	1.30a	PASS
3	Promise IDE RAID driver for Win 9x/ME/XP/2000	2.00(Build 18)	PASS
4	Award BIOS Flash ROM Utilities	8.10b	PASS

5. Jumper Function Verification

Description	Jumper Name	Default Option	Status
Speaker Connector	SPEAKER	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	SYS_FAN1	Open	Pass
Chassis FAN Connector	SYS_FAN2	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 1.2GHz (FSB133)	FDD : NEC FD1231T 1.44MB
Cache Memory : 256KB	Audio : Onboard VIA VT8233 AC'97
Memory : Transcend DDR266 128MB X 2	Mouse : Microsoft PS/2 mouse
HDD (ATA/100) : Maxtor 54098H8 40GB	PowerSupply : Delta DPS-300KB ATX 300W
VGA : Leadtek Geforce3	O.S. Environment: Windows ME
DVD-ROM : Actima AD16H 16X DVD	

NO.	Over clock level		Test Result				
	FSB	CPU ID	Cool boot	Install OS	S3	Winstone 2001	3D Mark2001
1	138MHz	1242MHz	Pass	Pass	Pass	34.6	5168
2	140MHz	1266MHz	Pass	Pass	Pass	34.8	5184

6.2 Full Loading Test: (1 day)

System Configuration	
CPU : AMD Athlon XP 1700+GHz	FDD : NEC FD1231T 1.44MB
Cache Memory : 256 K	Audio : Onboard VIA VT8233 AC'97
Memory : Micron DDR266 256MB x 2	Mouse : Microsoft PS/2 mouse
HDD 1 : Maxtor 54098H8 40GB	PowerSupply : Delta DPS-300KB ATX 300W
HDD2 : Maxtor 91531U3 15GB	O.S. Environment: Windows 2000
DVD-ROM1 : Panasonic SR-8583-B 5X DVD	
DVD-ROM2 : Actima AD16H 16X DVD	
VGA : Leadtek Geforce3 AGP	
ACR : Well 56k AMR modem	

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 1.13GHz	FDD : NEC FD1231T 1.44MB
Cache Memory : 256 K	PowerSupply : HOPELY ATX-250SE-P4 250W
Memory : Apacer DDR266 128MB x 3	
VGA : ASUS AGP-V7100 AGP	

Test Result	
Cool Boot (over 1500 times)	Pass

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

Software Name	Duration	Result
Winstone 2001 Under WIN ME	12hr.	<i>Pass</i>
Test Configurations for Win ME	AMD Athlon 1.0GHz Samsung SV3063H ATA/100 30GB HDD Apacer 256MB DDR DRAM Memory.(Nanya) X 3 Visiontek Geforce3 AGP	
CC Winstone 2001 Under WIN 2000	12hr.	<i>Pass</i>
Test Configurations for Win XP	AMD Duron 1.3GHz Maxtor 98196H8 ATA/100 80GB HDD Crucial 256MB DDR DRAM Memory.(Micron) X 2 Visiontek Geforce3 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 1800+MHz

☒ AMD

HDD IBM DTLA-307020 20GB IDE

☐ ATA/66 ☒ ATA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

VGA ELSA GLADIAC 516 TV-Out

☐ Onboard ☒ AGP 4X

CD-ROM ASUS DVD-E616 16X DVD

Channel: ☐ PM ☐ PS ☒ SM ☐ SS

Sound VIA 8233 AC'97

☐ 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.
NEC	D45D128842G5-C75-9LG	128MB	D	MC-45D16CB641KF-C75
	D45D128842G5-C75-9LG	256MB	D	MC-45D32CD641KFA-C75
Micron	MT46V8M8-75	64MB	S	MT8VDDT864AG-265A2
	MT46V8M8-75	128MB	D	MT16VDDT1664AG-265A2
	MT46V16M8-75A	128MB	S	MT8VDDT1664AG-265A1
	MT46V16M8-75A	256MB	D	MT16VDDT3264AG-265A1
SEC	K4H281638B-TCA2	128MB	D	M368L1714BT1-CA2
	K4H280838B-TCB0	256MB	D	M368L3313BT1-CB0
	K4H560838B-TCB0	512MB	D	M368L6423BT1-CB0Q0
Apacer	K4H280838B-TCB0 (SEC)	128MB	D	77.10304.460
	K4H280838B-TCB0 (SEC)	256MB	D	77.10204.460
	NT5DS16M8AT-7K (Nayna)	256MB	D	77.10203.540
Buffalo	K4H280838B-TCB0 (SEC)	128MB	D	PC266DD128N8C
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 (SEC)	128MB	S	TS16MLD64V6D5
	K4H280838B-TCB0 (SEC)	256MB	D	TS32MLD64V6D5
	MT46V16M8-75A (Micron)	128MB	S	TS16MLD64V6D5
	MT46V16M8-75A (Micron)	256MB	D	TS32MLD64V6D5
	W942508AH-75 (Winbond)	512MB	D	
Infineon	HYP25D256800AT-7	256MB	D	HYS64D32000GU-7-A



	HYB25D256800AT-7	512MB	D	HYS64D64020GU-7-A
--	------------------	-------	---	-------------------

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/PC2600)

Vender	IC Part No.	Size	Side	Module No.
KingMax	KDL684T4A2A-05	128MB	S	MPMA82D-68KX3
	KDL684T4A2A-05	256MB	D	MPMB62D-68KX3
Nanya	NT5DS32M8AT-6	256MB	S	NT256D64S88A1G-6

8.2 Add-on Cards

8.2.1 Display Adapter Products

Test Configuration:

OS Ver ☒ Win XP Ver: 2002

CPU AMD Athlon XP 1600+MHz ☒ AMD

HDD Seagate ST-320414A 20.5GB IDE ☒ ATA/66 ☒ ATA/100

Memory SEC 256MB(SEC)

Channel: ☒ PM ☒ PS ☒ SM ☒ SS

Total: 512 MB ☒ PC1600 ☒ PC2100

CD-ROM Pioneer DVD-116 16X IDE DVD

Channel: ☒ PM ☒ PS ☒ SM ☒ SS

Sound VIA 8233 AC'97

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

4X AGP Display Adapter Products

Vendor	VGA Chip	Product Description	Driver version
Leadtek	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
Matrox	MGA-G400	Millennium G400 SH	5.12.01.1720
	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	6.13.3276
	Radeon VE	Radeon VE	6.13.3276
	Radeon	All-In-Wonder Radeon	6.13.3276
	Radeon 7500	Radeon 7500	6.13.3276

	Radeon 8500LE	Radeon 8500LE	6.13.3276
FIC	Radeon 7500	AT008V	6.13.3276
	Radeon 8500LE	AT008	6.13.3276
Cardex	Riva TNT2 Vanta	Cardexpert TNT2 Vanta	5.13.01.2183
	GeForce2 MX	GeForce2 MX	5.13.01.2183
ASUS	Riva TNT2 Pro	AGP-V3800 Pro	5.13.01.1462
	Riva GeForce 256	AGP-V6600	5.13.01.1462
	GeForce256 DDR	AGP-V6800	5.13.01.1462
	GeForce2 MX	AGP-V7100	5.13.01.1462
	Riva GeForce2 GTS	AGP-V7700	5.13.01.1462
	Riva GeForce2 GTS	AGP-V7700 Deluxe	5.13.01.1462
	Riva GeForce3	AGP-V8200 Deluxe	5.13.01.1462
	GeForce3 Ti200	AGP-V8200 T2 Deluxe	5.13.01.1462
Creative	Riva Geforce 256	3D Blaster GeForce256	5.13.01.2183
	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)	5.13.01.2183
Gainward	GeForce3 Ti200	GeForce3 PowerPack !!!	5.13.01.2183
Unika	Riva TNT2	...	5.13.01.2183
ELSA	Riva TNT2 M64	ERAZOR III LT	5.13.01.2183
	Riva TNT2 Vanta	ERAZOR III LT-16	5.13.01.2183
	Riva TNT2 Pro	ERAZOR III Pro	5.13.01.2183
	Riva Geforce2 GTS	GLADIAC	5.13.01.2181
	Riva Geforce2 Ultra	GLADIAC Ultra	5.13.01.2183
	GeForce2 MX	GLADIAC MX	5.13.01.2183
	Riva Geforce2 GTS Pro	GLADIAC Pro	5.13.01.2183
	GeForce2 MX 200	GLADIAC 311	5.13.01.2183
	GeForce2 MX 400	GLADIAC 511	5.13.01.2183
	GeForce3	GLADIAC 920	5.13.01.2183
	GeForce2 Ti	GLADIAC 516TV-Out	5.13.01.2183
	GeForce3 Ti200	GLADIAC 721TV-Out	5.13.01.2183
	GeForce3 Ti500	GLADIAC 921 DVI	5.13.01.2183

8.2.2 SCSI Adapter Products

Test Configuration:

OS Ver ☒ Win XP Ver: 2002

☒ Win 2000 Ver: 5.00.2195

CPU AMD Athlon XP 1700+MHz ☒ AMD

Memory Apacer 256MB (SEC) Total: 512 MB ☐ PC1600 ☒ PC2100

VGA Leadtek WinFast Geforce3 ☐ Onboard ☒ AGP 4X

HDD IBM DDYS-T36950 36.7GB ☐ Ultra II SCSI ☒ Ultra Wide

CD-ROM Plextor PX-40Tsi 40X SCSI CD-ROM ☒ **Ultra SCSI** ☐ **Ultra Wide**
Sound VIA 8233 AC'97 ☐ **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 1700+MHz ☒ **AMD**
Memory Transcend 256MB(Nanya) **Total:** 512 MB ☐ **PC1600** ☒ **PC2100**
VGA ELSA GLADIAC 920 ☐ **Onboard** ☒ **AGP 4X**
HDD Maxtor 52049H4 20GB IDE ☐ **ATA/66** ☒ **ATA/100**
CD-ROM ASUS CD-S500/A 40X IDE **Channel:** ☒ **PM** ☐ **PS** ☐ **SM** ☐ **SS**
Sound Creative Sound Blaster Live! **Channel:** ☐ **PM** ☐ **PS** ☒ **SM** ☐ **SS**
Mouse Microsoft IntelliMouse PS/2 Mouse ☒ **PCI_Slot:** 4 ☐ **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
CIS	PSL 56K data/Fax/RTAP	PCI
Askey	1456VQH-R4 INT1	PCI

8.2.4 AMR Modem Products

Test Configuration:

OS Ver ☒ **Win XP Ver:** 2002
CPU AMD Athlon XP 1700+MHz ☒ **AMD**
Memory Apacer 256MB(SEC) **Total:** 512 MB ☐ **PC1600** ☒ **PC2100**
VGA Leadtek WinFast Geforce3 ☐ **Onboard** ☒ **AGP 4X**

HDD Maxtor 54098H8 40GB IDE ☐ATA/66 ☒ATA/100
CD-ROM Actima AD-16H 16X IDE DVD Channel: ☒PM ☐PS ☐SM ☐SS
Sound VIA 8233 AC'97 Channel: ☐PM ☐PS ☒SM ☐SS
Mouse Microsoft IntelliMouse PS/2 Mouse ☐PCI_Slot: __. ☒On board
 ☐COM ☒PS/2

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

8.2.5 PCI Audio Products

Test Configuration:

OS Ver ☒ Win XP Ver: 2002 .
CPU AMD Athlon XP 1700+MHz ☒AMD
Memory Transcend 256MB(Nanya) Total: 256 MB ☐PC1600 ☒PC2100
VGA Leadtek WinFast Geforce3 ☐Onboard ☒AGP 4X
HDD Maxtor 54098H8 40GB IDE ☐ATA/66 ☒ATA/100
CD-ROM Actima AD16H 16X IDE DVD Channel: ☐PM ☐PS ☒SM ☐SS
Mouse Microsoft IntelliMouse PS/2 Mouse ☐COM ☒PS/2

The following PCI sound cards test play WAV/MIDI/CD audio and DVD under Windows XP with their respective sound drivers installed .

Vendor	Model Name	Product Description
Creative	CT-4810	VIBRA 128 (CT2518-DBQ)
	CT-4790	Sound Blaster PCI512 Digital
	CT-4860	Sound Blaster Live! Platinum
	SB-0090	Sound Blaster Audigy Platinum
FIC	ESS Canyon 3D	Hi-Five PCI Sound Card
Everdata	YAMAHA 754	Orpheua Digital PCI Sound Card
Terratec	Crystal CS4624-CQ	DMX Xfire Soundsystem 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 1700MHz ☒ AMD
 Memory Hynix 256MB (Hyundai) Total: 512 MB ☐ PC1600 ☒ 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
	Quantum	Fireball SE	Ultra SCSI HDD 8.4GB
		Atlas III	Ultra2 SCSI HDD 9.1GB
		Atlas V	Ultra Wide SCSI HDD 18GB
	WD	WDE2170-0007	Ultra Wide SCSI HDD 4.3GB
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	(12W/4RW/32R) CD-RW 32X

8.3.2 IDE Fixed Disk Drive Products

Test Configuration:

OS Ver ☒ Win XP Ver: 2002

CPU AMD Athlon XP 1600+MHz

Memory Transcend 128MB (SEC)

VGA ELSA GLADIAC Ultra

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

Sound VIA 8233 AC'97

LAN Intel 82559

Mouse Logitech First Mouse+ Mouse

☒ AMD

Total: 384 MB ☐ PC1600 ☒ PC2100

☐ Onboard ☒ AGP 4X

Channel: ☐ PM ☐ PS ☒ SM ☐ SS

☐ PCI_Slot: ☒ On board

☒ PCI_Slot: 3 ☐ 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
Samsung	SV3063H	30.6GB
	SV4084H	40.8GB

IDE ATA/133

Vendor	Model Name	Capacity
Maxtor	4G160JB	160GB

*VIA VT8233 South Bridge doesn't support ATA/133 transfer mode, so these ATA/133 HDD run ATA/100.

8.3.3 ATAPI CD-ROM /DVD-ROM Device Product

Test Configuration:

OS Ver ☒ Win XP Ver: 2002
CPU AMD Athlon XP 1600+MHz ☒ AMD
Memory Transcend 256MB (SEC) **Total:** 512 MB ☐ PC1600 ☒ PC2100
VGA ELSA GLADIAC Ultra ☐ Onboard ☒ AGP 4X
HDD Seagate ST-380021A 80GB IDE ☐ ATA/66 ☒ ATA/100
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
Sound VIA 8233 AC'97 ☐ PCI_Slot: ☒ On board
LAN Intel 82559 ☒ PCI_Slot: 2 ☐ On board
Mouse Logitech TrackmanMarble Mouse ☐ 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

8.3.3.2 ATAPI DVD-ROM:

Vendor	Model Name	Product Description
ASUS	DVD-E612	ATAPI DVD-ROM 12X
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-5700B	ATAPI DVD-ROM 12X (UDMA33)
	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+MHz ☒ AMD
 Memory Apacer 128MB(SEC) Total: 256 MB ☐ PC1600 ☒ PC2100
 HDD WD Caviar WD400 40GB IDE ☐ ATA/66 ☒ ATA/100
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS
 CD-ROM ASUS DVD-E612 12X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS
 VGA Gainward Geforce3 Ti200 ☐ Onboard ☒ AGP 4X
 Sound VIA 8233 AC'97 ☐ 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 1500+MHz ☒ AMD
 Memory Hynix 256MB (Hyundai) Total: 512 MB ☐ PC1600 ☒ PC2100
 HDD WD Caviar WD600 60GB IDE ☐ ATA/66 ☒ ATA/100
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS
 CD-ROM Lite-On LTD-163 16X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS
 VGA Leadtek Geforce2 GTS ☐ Onboard ☒ AGP 4X
 Sound VIA 8233 AC'97 ☐ 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	IntelliMouse Web 1.0A PS/2 Mouse	USB/PS2
Logitech	Logitech MouseMan Serial Mouse	Serial/PS2
	Logitech First Mouse+ Serial Mouse	Serial/PS2
eMachines	M-S34 (Logitech)	PS2
Samsung	Cyber Beetle Mouse (Optical)	PS2
Genius	NetScroll Optical	PS2
LEO	Niche-N202	PS2

8.4.3 USB Device Products

Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000

CPU AMD Athlon XP 1700+MHz ☒ AMD

Memory Apacer 128MB(SEC)

HDD WD Caviar WD400 40GB IDE

CD-ROM ASUS DVD-E612 12X IDE DVD

VGA Gainward Geforce3 Ti200

Sound VIA 8233 AC'97

Mouse Logitech First Mouse+ Mouse

Total: 256 MB ☐ PC1600 ☒ PC2100

☐ ATA/66 ☒ ATA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

Channel: ☐ PM ☐ PS ☒ SM ☐ SS

☐ Onboard ☒ AGP 4X

☐ PCI_Slot: ☒ On board

☐ COM ☒ PS/2

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

Type	Vendor	Description
Mouse	Logitech	USB Wheel Mouse (M-BB48)
		USB MouseMan Wheel (M-BA47)
	Microsoft	IntelliMouse Mouse (w IntelliEye)
		IntelliMouse Optical USB Mouse
		IntelliMouse explorer USB Mouse
	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

	HP	ScanJet 4200C
Ethernet	CATC	USB Ethernet Link
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

8.4.4 Game Port Device Products

Test Configuration:

OS Ver ☒ Win XP Ver: 2002.

CPU AMD Athlon XP 1500+MHz

Memory Hynix 256MB (Hyundai)

HDD WD Caviar WD600 60GB IDE

CD-ROM Lite-On LTD-163 16X IDE DVD

VGA Leadtek Geforce2 GTS

Sound VIA 8233 AC'97

☒ AMD

Total: 512 MB ☐ PC1600 ☒ PC2100

☐ ATA/66 ☒ ATA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

Channel: ☐ PM ☐ PS ☒ SM ☐ SS

☐ Onboard ☒ AGP 4X

☐ 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

8.5 Power Supply Products

Test Configuration:

OS Ver ☒ Win XP Ver: 2002

CPU AMD Athlon XP 1900+MHz

Memory Transcend 256MB(Micron)

HDD1 Maxtor 53073H6 30.6GB IDE

HDD2 Seagate ST-313032A 13GB IDE

CD-ROM Acer DVP1640A 16X IDE DVD

VGA Matrox Millennium G550

Sound VIA 8233 AC'97

Mouse Logitech TrackMan Marble Mouse

☒ AMD

Total: 512 MB ☐ PC1600 ☒ PC2100

☐ ATA/66 ☒ ATA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

☒ ATA/66 ☐ ATA/100

Channel: ☐ PM ☒ PS ☐ SM ☐ SS

Channel: ☐ PM ☐ PS ☒ SM ☐ SS

☐ Onboard ☒ AGP 4X

☐ PCI_Slot: ☒ On board

☐ 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	Type
DELTA	DPS-300KB A Rev:00	300W	ATX
	DPS-300KB-1 A Rev:00	300W	ATX
Seventeam	ST-250BLP	250W	ATX
	ST-250GL	250W	ATX
	ST-300BLV	300W	ATX
	ST-301HR	300W	ATX
	ST-400GL	400W	ATX
Enlight	HPC-250-101 Rev:C	250W	ATX
	HPC-300-101 Rev:C0	300W	ATX
	HPC-340-101	340W	ATX
HIPRO	HP-250 NLXAK Rev:01	250W	ATX
	HP-250 NLXAA	250W	ATX
	HP-300SN Rev:02	300W	ATX
TELTA	HI-250PB	250W	ATX
	HI-300PB	300W	ATX
FSP	FSP250-61GN(AMD)	250W	ATX
HOPELY	ATX-250SE-P4	250W	ATX
	ATX-300SE-P4	300W	ATX
	ATX-300S	300W	ATX
Golden Field	K7-335 V2.02	300W	ATX
	ATX-310WB v2.03	300W	ATX
	ATX-320WB&P4	300W	ATX
..CG	300PA	300W	ATX
..QY	QY-300T	300W	ATX
....	ST-ATX325	300W	ATX
STR	SPS-300W Rev:03	300W	ATX



9. Software Compatibility Test Suite

9.1 Base Operating System

9.1.1 Microsoft Windows 98 SE:

Test Configuration:

CPU AMD Athlon XP 1500+MHz

Memory KingMax 256MB(KingMax)

HDD WD Caviar 400 40GB IDE

VGA ASUS AGP-V7700 Deluxe

Sound VIA 8233 AC'97

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

Mouse Microsoft IntelliMouse Mouse

☒ AMD

Total: 512 MB ☐ PC1600 ☒ PC2100

☐ ATA/66 ☒ ATA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

☐ Onboard ☒ AGP 4X

☐ PCI_Slot: __. ☒ On board

Channel: ☐ PM ☐ PS ☒ SM ☐ SS

☐ 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	
CC WinStone 2002		PASS	20.2
3D Mark 2001		PASS	2770

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 1500+MHz ☒ AMD
Memory Transcend 256MB(SEC) **Total:** 512 MB ☐ PC1600 ☒ PC2100
HDD Maxtor 54098H8 40.9GB IDE ☐ PIO4 ☐ ATA/66 ☒ ATA/100
VGA ELSA GLADIAC 511 **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS
Sound VIA 8233 AC'97 ☐ Onboard ☒ AGP 4X
CD-ROM SONY DDU1621 16X IDE DVD ☐ PCI_Slot: __ ☒ On board
Mouse Microsoft IntelliMouse Mouse **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS
☐ 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 (98keybaord)	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
System Restore	PASS	
CC WinStone 2002	PASS	19.6
3D Mark 2001	PASS	2430

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 1500+MHz ☒ AMD
Memory Crucial 256MB(Micron) **Total:** 512 MB ☐ PC1600 ☒ PC2100
HDD Maxtor 6L060J3 60GB IDE ☐ ATA/66 ☐ ATA/100 ☒ ATA/133
VGA ELSA GLADIAC 920 **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS
Sound VIA 8233 AC'97 ☐ Onboard ☒ AGP 4X
CD-ROM Pioneer DVD-116 16X IDE DVD ☐ PCI_Slot: __ ☒ On board
Mouse Microsoft IntelliMouse Mouse **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS
☐ 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
WinStone 2001	PASS	35.7
CC WinStone 2002	PASS	18.2
3D Mark 2001	PASS	3779

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 1500+MHz ☒ AMD
Memory Hynix 256MB(Hyundai) **Total:** 512 MB ☐ PC1600 ☒ PC2100
HDD Maxtor 5T060H6 61GB IDE ☐ PIO4 ☐ ATA/66 ☒ ATA/100
Channel: ☒ PM ☐ PS ☐ SM ☐ SS
VGA ATI Radeon ☐ Onboard ☒ AGP 4X
Sound VIA 8233 AC'97 ☐ PCI_Slot:___ ☒ On board
CD-ROM Panasonic SR-8587-B 16X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS
Mouse Microsoft IntelliMouse Mouse ☐ COM ☒ PS/2

Test Item		Result	Remark
Install Win 2000 with NTFS (boot from CD)		PASS	
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	42.2
CC WinStone 2002		PASS	22.1
3D Mark 2001		PASS	2534

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 1500+MHz ☒ AMD
Memory NEC 256MB(NEC) **Total:** 512 MB ☐ PC1600 ☒ PC2100
HDD IBM DTLA-307060 61.4GB IDE ☐ PIO4 ☐ ATA/66 ☒ ATA/100
VGA Matrox Millennium G450 **Channel:** ☒ PM ☐ PS ☐ SM ☐ SS
Sound VIA 8233 AC'97 ☐ Onboard ☒ AGP 4X
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	
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 AMD Athlon XP 1500+MHz ☒ AMD
Memory TwinMos 128MB (Hyundai) **Total: 256 MB** ☐ PC1600 ☒ 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 VT8233 AC'97 Audio.

9.1.7 LINUX :

Test Configuration:

CPU AMD Athlon XP 1700+MHz ☒ AMD
Memory Apacer 128MB (SEC) **Total: 384 MB** ☐ PC1600 ☒ PC2100
HDD Maxtor 6L040J2 40GB IDE ☐ ATA/100 ☒ ATA/133
VGA ELSA GLADIAC MX **Channel: ☒ PM ☐ PS ☐ SM ☐ SS**
CD-ROM NEC DV-5800A 16X 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: Scott Lin

I/O : Brad Su

Audio: Stevent Huang

CPU/Memory: Lion Liou

VGA: Leon Liang

Logo: Joy Tsai

IDE Devices: Scott Lin

Check by: Lion Liou

Ownership: Benson Shen