

LE-363
Test Report
Edition 1.01
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Identify:

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1. Function test

1.1 Hardware function

Base Function Test

1	Power Button	Pass
2	Reset	Pass
3	Power LED	Pass
4	HDD LED	Pass
5	IDE Primary Master	Pass
6	IDE Primary Slave	Pass
7	Floppy	Pass
8	Compact Flash	Pass
9	DIMM	Pass
10	VGA Port	Pass
11	Keyboard	Pass
12	Mouse	Pass
13	AUDIO Port	Pass
14	COM 1	Pass
15	COM 2	Pass
16	Printer Port	Pass
17	IRDA	Pass
18	CDIN	Pass
19	CPUFAN	Pass
20	LVDS	Pass
21	LCD	Pass
22	Mini PCI Port	Pass
23	Card BUS	Pass
24	Adapter Port	Pass
25	GPIO Port	Pass

26	Lan Port	Pass
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2.0 PITCH (DIP)

1	JRTC	PASS
3	JVLCD	PASS
4	JCFSEL	PASS
5	JCRT/TTL	PASS

1.2 BIOS function

Item	Description	Result	Remark
1	Press 'Del' to run Setup Utility	Pass	
2	Ctrl-Alt-Del – Soft-Reboot	Pass	
3	Save & Exit Setup	Pass	
4	Date & Time Setting	Pass	
5	IDE Setting	Pass	
6	Drive A	Pass	
7	Drive B	Pass	
8	Quick Power On Self Test	Pass	
9	Boot Device Setting	Pass	
10	Swap Floppy Drive	Pass	
11	Boot Up NumLock Status	Pass	
12	Flat Panel Configuration	Pass	
13	On Chip USB	Pass	
14	USB Keyboard Support	Pass	
15	USB Mouse Support	Pass	
16	Soft-Off by PWRBTN	Pass	
17	ACPI Function	Pass	
18	RTC Alarm Resume	Pass	
19	Watching Dog Timer	Pass	
20	Wake Up On LAN		
21	Wake Up On PCI CARD		
22	OnChip IDE Channel 0	Pass	
23	Init Display First	Pass	
24	Onboard FDD Controller	Pass	
25	Onboard Serial Port	Pass	
26	Onboard Parallel Port	Pass	

27	CPU Warring Temperature	Pass	
28	Shutdown Temperature	Pass	

1.3 Driver

1. Windows 98 Driver Test

Item	Description	Result	Remark
1	Chip set Driver		
2	VGA Driver		
3	Audio Driver		
4	LAN Driver		

2. Windows 2000 Driver Test

Item	Description	Result	Remark
1	Chip set Driver	Pass	
2	VGA Driver	Pass	
3	Audio Driver	Pass	
4	LAN Driver	Pass	

3. Windows XP Driver Test

	Description	Result	Remark
1	Chip set Driver	Pass	
2	VGA Driver	Pass	
3	Audio Driver	Pass	
4	LAN Driver	Pass	

2. Compatibility test

2.1 CPU Test

Processor: AMD Geode GX2 400MHZ

O.S: MS-DOS 6.22

Item	Description	Result	Remark
1	CPU Type Detect	Pass	
2	CPU Speed Detect	Pass	
3	OS Running Stability	Pass	

Windows 98

Item	Description	Result	Remark
1	CPU Type Detect	Pass	
2	CPU Speed Detect	Pass	
3	OS Running Stability	Pass	
4	Performance Test V3.5	Pass	

Windows 2000

Item	Description	Result	Remark
1	CPU Type Detect	Pass	
2	CPU Speed Detect	Pass	
3	OS Running Stability	Pass	
5	WinStone2000 Test	Pass	

Windows XP

Item	Description	Result	Remark
1	CPU Type Detect	Pass	
2	CPU Speed Detect	Pass	
3	OS Running Stability	Pass	
4	Winstone Content Creation 2000	Pass	

2.2 Memory Test

1. Kingsdom DDR333 512MB

Item	Description	Result	Remark
1	Boot	Pass	
2	MS-DOS 6.22	Pass	
3	Windows 98	Pass	
4	Windows 2000	Pass	
5	Windows XP	Pass	
6	Fedora Core.4 (Linux)		

2.3 VGA Graphic Test

1. Windows 98

Item	Description	Result	Remark
1	Driver Install		
2	Resolution/Color Change		
3	LVDS/TTL Display Test	Pass	With LVDS LCD panel
4	CRT Display Test	Pass	
5	CRT Display Quality Test		

2. Windows 2000

Item	Description	Result	Remark
1	Driver Install	Pass	
2	Resolution/Color Change	Pass	
3	LVDS/TTL Display Test	Pass	With LVDS LCD panel
4	CRT Display Test	Pass	
5	CRT Display Quality Test	Pass	

3. Windows XP

Item	Description	Result	Remark
1	Driver Install	Pass	
2	Resolution/Color Change	Pass	
3	LVDS/TTL Display Test t	Pass	With LVDS LCD panel
4	CRT Display Test	Pass	
5	CRT Display Quality Test	Pass	

4. Fedora Core.4 (Linux)

Item	Description	Result	Remark
1	Driver Install		
2	Resolution/Color Change		
3	CRT Display Test	Pass	
4	CRT Display Quality Test		

2.4 Audio Test

1. Windows 98

Item	Description	Result	Remark
1	Driver Install	Pass	
2	Speaker Left	Pass	
3	Speaker Right	Pass	
4	Sound Effect	Pass	
5	Equalizer	Pass	
6	Micophone	Pass	

2. Windows 2000

Item	Description	Result	Remark
1	Driver Install	Pass	
2	Speaker Left	Pass	
3	Speaker Right	Pass	
4	Sound Effect	Pass	
5	Equalizer	Pass	
6	Micophone	Pass	

3. Windows XP

Item	Description	Result	Remark
1	Driver Install	Pass	
2	Speaker Left	Pass	
3	Speaker Right	Pass	
4	Sound Effect	Pass	
5	Equalizer	Pass	
6	Micophone	Pass	

4. Fedora Core.4 (Linux)

Item	Description	Result	Remark
1	Driver Install		
2	Speaker Left		
3	Speaker Right		
4	Microphone		

2.5 HDD Test

Model: Western Digital WD2500JB-00GVCO

1. MS-DOS 6.22

Item	Description	Result	Remark
1	HDD Size Detect	Pass	
2	HDD Read/Write	Pass	
3	HDD Partition/Format	Pass	
4	QAPLUS HDD Test	Pass	
5	HDD LED Check	Pass	

2. Windows 98

Item	Description	Result	Remark
1	HDD Detect	Pass	
2	HDD Read/Write	Pass	
3	HDD Data Transfer	Pass	
4	HDD Format	Pass	
5	HDD LED Check	Pass	

3. Windows 2000

Item	Description	Result	Remark
1	HDD Detect	Pass	
2	HDD Read/Write	Pass	
3	HDD Data Transfer	Pass	
4	HDD Format	Pass	
5	HDD LED Check	Pass	

4. Windows XP

Item	Description	Result	Remark
1	HDD Detect	Pass	
2	HDD Read/Write	Pass	
3	HDD Data Transfer	Pass	
4	HDD Format	Pass	
5	HDD LED Check	Pass	

Model: Seagate ST34311A 4.3GB

1. MS-DOS 6.22

Item	Description	Result	Remark
1	HDD Size Detect	Pass	
2	HDD Read/Write	Pass	
3	HDD Partition/Format	Pass	
5	HDD LED Check	Pass	

2. Windows 98

Item	Description	Result	Remark
1	HDD Detect	Pass	
2	HDD Read/Write	Pass	
3	HDD Data Transfer	Pass	
4	HDD Format	Pass	
5	HDD LED Check	Pass	

3. Windows 2000

Item	Description	Result	Remark
1	HDD Detect	Pass	
2	HDD Read/Write	Pass	
3	HDD Data Transfer	Pass	
4	HDD Format	Pass	
5	HDD LED Check	Pass	

4. Windows XP

Item	Description	Result	Remark
1	HDD Detect	Pass	
2	HDD Read/Write	Pass	
3	HDD Data Transfer	Pass	
4	HDD Format	Pass	
5	HDD LED Check	Pass	

5. Fedora Core.4 (Linux)

Item	Description	Result	Remark
1	HDD Detect	Pass	
2	HDD Read/Write	Pass	
3	HDD Data Transfer	Pass	
4	HDD Format	Pass	
5	HDD LED Check	Pass	

Model: Western Digital 40GB(WD400EB)

1. MS-DOS 6.22

Item	Description	Result	Remark
1	HDD Size Detect	Pass	
2	HDD Read/Write	Pass	
3	HDD Partition/Format	Pass	
5	HDD LED Check	Pass	

2. Windows 98

Item	Description	Result	Remark
1	HDD Detect	Pass	
2	HDD Read/Write	Pass	
3	HDD Data Transfer	Pass	
4	HDD Format	Pass	
5	HDD LED Check	Pass	

3. Windows 2000

Item	Description	Result	Remark
1	HDD Detect	Pass	
2	HDD Read/Write	Pass	
3	HDD Data Transfer	Pass	
4	HDD Format	Pass	
5	HDD LED Check	Pass	

4. Windows XP

Item	Description	Result	Remark
1	HDD Detect	Pass	
2	HDD Read/Write	Pass	
3	HDD Data Transfer	Pass	
4	HDD Format	Pass	
5	HDD LED Check	Pass	

5. Fedora Core.4 (Linux)

Item	Description	Result	Remark
1	HDD Detect	Pass	
2	HDD Read/Write	Pass	
3	HDD Data Transfer	Pass	
4	HDD Format	Pass	
5	HDD LED Check	Pass	

2.6 USB Test

1. Windows 98

Item	Description	Result	Remark
1	Device Manager Check		
2	External USB Keyboard Test		
3	External USB Mouse Test		
5	Direct Connect by USB Test		
6	Hot plugging test		

2. Windows 2000

Item	Description	Result	Remark
1	Device Manager Check	Pass	
2	External USB Keyboard Test	Pass	
3	External USB Mouse Test	Pass	
5	Direct Connect by USB Test	Pass	
6	Hot plugging test	Pass	

3. Windows XP

Item	Description	Result	Remark
1	Device Manager Check	Pass	
2	External USB Keyboard Test	Pass	
3	External USB Mouse Test	Pass	
5	Direct Connect by USB Test	Pass	
6	Hot plugging test	Pass	

2.7 Serial Port Test

1. MS-DOS 6.22

Item	Description	Result	Remark
1	RS-232 Mouse Test	Pass	
2	RS-232 Modem Test	Pass	
3	QAPLUS COM Port RS-232 Test (W/Loop-Back)	Pass	
4	PC CHECK COM Port RS-232 Test (W/Loop-Back)	Pass	

2. Windows 98

Item	Description	Result	Remark
1	Device Manager Check	Pass	
2	Driver Install	Pass	
3	RS-232 Mouse Test (PNP)	Pass	
4	RS-232 Modem Test (PNP)	Pass	
5	B&B Electronics COM Port RS-232 Test (W/Loop-Back)	Pass	

3. Windows 2000

Item	Description	Result	Remark
1	Device Manager Check	Pass	
2	Driver Install	Pass	
3	RS-232 Mouse Test (PNP)	Pass	
4	RS-232 Modem Test (PNP)	Pass	
5	B&B Electronics COM Port RS-232 Test (W/Loop-Back)	Pass	

4. Windows XP

Item	Description	Result	Remark
1	Device Manager Check	Pass	
2	Driver Install	Pass	
3	RS-232 Mouse Test (PNP)	Pass	
4	RS-232 Modem Test (PNP)	Pass	
5	B&B Electronics COM Port RS-232 Test (W/Loop-Back)	Pass	

2.8 IrDA Test

1. Windows 98

Item	Description	Result	Remark
1	Device Manager Check	Pass	
2	SIR Mode Data Transfer Test	Pass	
3	SIR Data Transfer Quality Test	Pass	
4	SIR Loop-Back Test	Pass	

2. Windows 2000

Item	Description	Result	Remark
1	Device Manager Check	Pass	
2	SIR Mode Data Transfer Test	Pass	
3	SIR Data Transfer Quality Test	Pass	
4	SIR Loop-Back Test	Pass	

3. Windows XP

Item	Description	Result	Remark
1	Device Manager Check	Pass	
2	SIR Mode Data Transfer Test	Pass	
3	SIR Data Transfer Quality Test	Pass	
4	SIR Loop-Back Test	Pass	

4. Fedora Core.4 (Linux)

Item	Description	Result	Remark
1	Device Manager Check	Pass	
2	SIR Mode Data Transfer Test		
3	SIR Data Transfer Quality Test		
4	SIR Loop-Back Test		

2.9 Keyboard Test

1. MS-DOS 6.22

Item	Description	Result	Remark
1	QAPLUS Keyboard Test	Pass	
2	Keyboard LED Status Test	Pass	
3	Keyboard Command Test	Pass	
4	Keyboard Typing Test	Pass	

2. Windows 98

Item	Description	Result	Remark
1	Device Manager Check	Pass	
2	Keyboard LED Status Test	Pass	
3	Keyboard Typing Test	Pass	

3. Windows 2000

Item	Description	Result	Remark
1	Device Manager Check	Pass	
2	Keyboard LED Status Test	Pass	
3	Keyboard Typing Test	Pass	

4. Windows XP

Item	Description	Result	Remark
1	Device Manager Check	Pass	
2	Keyboard LED Status Test	Pass	
3	Keyboard Typing Test	Pass	

5. Fedora Core.4 (Linux)

Item	Description	Result	Remark
1	Device Manager Check	Pass	
2	Keyboard LED Status Test	Pass	
3	Keyboard Typing Test	Pass	

2.10 Mouse Test

1. MS-DOS 6.22

Item	Description	Result	Remark
1	QAPLUS Mouse Test	Pass	
2	Mouse Detect Test	Pass	
3	DOS Edit Test (Use Microsoft Mouse Driver)	Pass	

2. Windows 98

Item	Description	Result	Remark
1	Device Manager Check	Pass	
2	Mouse Detect Test (PNP)	Pass	
3	Dos Mode Mouse Test	Pass	

3. Windows 2000

Item	Description	Result	Remark
1	Device Manager Check	Pass	
2	Mouse Detect Test (PNP)	Pass	
3	Dos Mode Mouse Test	Pass	

4. Windows XP

Item	Description	Result	Remark
1	Device Manager Check	Pass	
2	Mouse Detect Test (PNP)	Pass	
3	Dos Mode Mouse Test	Pass	

5. Fedora Core.4 (Linux)

Item	Description	Result	Remark
1	Device Manager Check	Pass	
2	Mouse Detect Test (PNP)	Pass	

2.11 LAN Port Module Test

2. Windows 98

Item	Description	Result	Remark
1	LAN Module Install Test	Pass	
2	Driver Install	Pass	
3	Device Manager Check	Pass	
4	Data Transfer Test	Pass	

3. Windows 2000

Item	Description	Result	Remark
1	LAN Module Install Test	Pass	
2	Driver Install	Pass	
3	Device Manager Check	Pass	
4	Data Transfer Test	Pass	

4. Windows XP

Item	Description	Result	Remark
1	LAN Module Install Test	Pass	
2	Driver Install	Pass	
3	Device Manager Check	Pass	
4	Data Transfer Test	Pass	

2.12 Power Supply Test

1. MS-DOS 6.22

Item	Description	Verification	
		Result	Remark
1	ATX Power On/Off	Pass	Seven team ST-300BLV
2	12V DC adapter Power On/Off	Pass	SR power BW6012 60W
3	ATX Power On/Off	Pass	FSP-180-50PLA

2. Windows 98

Item	Description	Verification	
		Result	Remark
1	ATX Power On/Off	Pass	Seven team ST-300BLV
2	12V DC adapter Power On/Off	Pass	SR power BW6012 60W
3	ATX Power On/Off	Pass	FSP-180-50PLA

3. Windows 2000

Item	Description	Verification	
		Result	Remark
1	ATX Power On/Off	Pass	Seven team ST-300BLV
2	12V DC adapter Power On/Off	Pass	SR power BW6012 60W
3	ATX Power On/Off	Pass	FSP-180-50PLA

4. Windows XP

Item	Description	Verification	
		Result	Remark
1	ATX Power On/Off	Pass	Seven team ST-300BLV
2	12V DC adapter Power On/Off	Pass	SR power BW6012 60W
3	ATX Power On/Off	Pass	FSP-180-50PLA

5. Fedora Core.4 (Linux)

Item	Description	Verification	
		Result	Remark
1	ATX Power On/Off		Seven team ST-300BLV
2	12V DC adapter Power On/Off		SR power BW6012 60W
3	ATX Power On/Off	Pass	FSP-180-50PLA

2.13 CD-ROM Test

Model: ASUS 52Xmax

1. MS-DOS 6.22

Item	Description	Result	Remark
1	CD-ROM Detect	Pass	
2	CD-ROM Read	Pass	
3	CD-ROM Bootable	Pass	
4	CD-ROM Data Transfer	Pass	

2. Windows 98

Item	Description	Result	Remark
1	CD-ROM Detect	Pass	
2	CD-ROM Read	Pass	
3	CD-ROM Data Transfer	Pass	

3. Windows 2000

Item	Description	Result	Remark
1	CD-ROM Detect	Pass	
2	CD-ROM Read	Pass	
3	CD-ROM Data Transfer	Pass	

4. Windows XP

Item	Description	Result	Remark
1	CD-ROM Detect	Pass	
2	CD-ROM Read	Pass	
3	CD-ROM Data Transfer	Pass	

5. Fedora Core.4 (Linux)

Item	Description	Result	Remark
1	CD-ROM Detect	Pass	
2	CD-ROM Read	Pass	
3	CD-ROM Data Transfer	Pass	

Model: Aopen DVD 1648/LKY

1. MS-DOS 6.22

Item	Description	Result	Remark
1	CD-ROM Detect	Pass	
2	CD-ROM Read	Pass	
3	CD-ROM Bootable	Pass	
4	CD-ROM Data Transfer	Pass	

2. Windows 98

Item	Description	Result	Remark
1	CD-ROM Detect	Pass	
2	CD-ROM Read	Pass	
3	CD-ROM Data Transfer	Pass	

3. Windows 2000

Item	Description	Result	Remark
1	CD-ROM Detect	Pass	
2	CD-ROM Read	Pass	
3	CD-ROM Data Transfer	Pass	

4. Windows XP

Item	Description	Result	Remark
1	CD-ROM Detect	Pass	
2	CD-ROM Read	Pass	
3	CD-ROM Data Transfer	Pass	

5. Fedora Core.4 (Linux)

Item	Description	Result	Remark
1	CD-ROM Detect		
2	CD-ROM Read		
3	CD-ROM Data Transfer		

Model: Pioneer DVD116

1. MS-DOS 6.22

Item	Description	Result	Remark
1	CD-ROM Detect	Pass	
2	CD-ROM Read	Pass	
3	CD-ROM Bootable	Pass	
4	CD-ROM Data Transfer	Pass	

2. Windows 98

Item	Description	Result	Remark
1	CD-ROM Detect	Pass	
2	CD-ROM Read	Pass	
3	CD-ROM Data Transfer	Pass	
4	PLAY DVD	Pass	

3. Windows 2000

Item	Description	Result	Remark
1	CD-ROM Detect	Pass	
2	CD-ROM Read	Pass	
3	CD-ROM Data Transfer	Pass	
4	PLAY DVD	Pass	

4. Windows XP

Item	Description	Result	Remark
1	CD-ROM Detect	Pass	
2	CD-ROM Read	Pass	
3	CD-ROM Data Transfer	Pass	
4	PLAY DVD	Pass	

5. Fedora Core.4 (Linux)

Item	Description	Result	Remark
1	CD-ROM Detect		
2	CD-ROM Read		
3	CD-ROM Data Transfer		

2.14 Floppy Drive Test

Model: TEAC FD-05HG

1. MS-DOS 6.22

Item	Description	Result	Remark
1	Floppy Drive Detect	Pass	
2	Floppy Read/Write	Pass	
3	Boot from Floppy	Pass	
4	Floppy Data Transfer	Pass	

2. Windows 98

Item	Description	Result	Remark
1	Floppy Drive Detect	Pass	
2	Floppy Read/Write	Pass	
3	Floppy Data Transfer	Pass	

3. Windows 2000

Item	Description	Result	Remark
1	Floppy Drive Detect	Pass	
2	Floppy Read/Write	Pass	
3	Floppy Data Transfer	Pass	

4. Windows XP

Item	Description	Result	Remark
1	Floppy Drive Detect	Pass	
2	Floppy Read/Write	Pass	
3	Floppy Data Transfer	Pass	

5. Fedora Core.4 (Linux)

Item	Description	Result	Remark
1	Floppy Drive Detect	Pass	
2	Floppy Read/Write	Pass	
3	Floppy Data Transfer	Pass	

2.15 Printer Port Test

1. MS-DOS 6.22

Item	Description	Result	Remark
1	EPP	Pass	
2	ECP	Pass	
3	EPP+ECP	Pass	
4	QAPLuse Test	Pass	
5	Trouble Shooting	Pass	

2. Windows 98

Item	Description	Result	Remark
1	Print TEST	Pass	

3. Windows 2000

Item	Description	Result	Remark
1	Print TEST	Pass	

4. Windows XP

Item	Description	Result	Remark
1	Print TEST	Pass	

5. Fedora Core.4 (Linux)

Item	Description	Result	Remark
1	Print TEST		

2.16 Boot Up Test

Item	Description	Result	Remark
1	Power On/Off with 12V DC adapter Power	Pass	50 Times
3	Soft boot from HDD	Pass	Times
4	Soft boot from CD-ROM	Pass	Times
5	Reboot test with Win 98	Pass	Times
6	Reboot test with Win 2000	Pass	Times
7	Reboot test with Win XP	Pass	Times
8	Reboot test with Fedora Core.4 (Linux)	Pass	Times

2.17 Os Install

Item	Description	Result	Remark
1	Windows 98	PASS	
2	Windows ME		
3	Windows 2000 SP4	PASS	
4	Windows 2000 Server		
5	Windows XP SP2	PASS	
6	Windows Server 2003	PASS	
7	Windows NT		
8	Linux "Red Hat 9.0"		
9	Linux "Suse 10.0"	PASS	
10	Linux "Fedora Core4"	PASS	
11	Linux "Open Linux"		

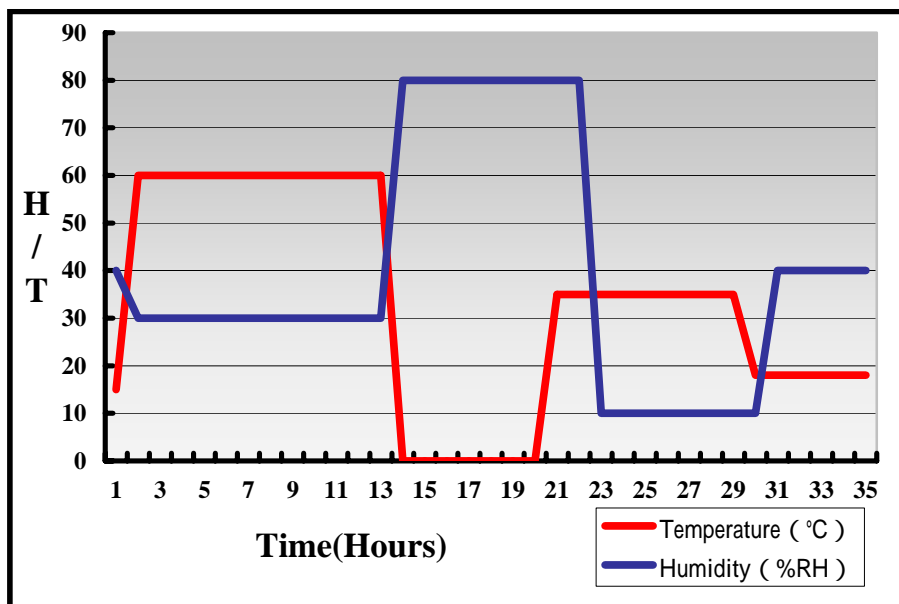
3. Environmental test

3.1 Temperature & Humidity Test

Hardware Device list:

System Board	LE-363
CPU	AMD Geode GX 2 400MHZ
Memory	OnBoard DDR 128MB
HDD	Western Digital 250GB Model: WD2500JB-00GVCO
KEYBOARD	Genius KWD-203
MOUSE	Logitech M-CAA43
Test Equipment	THERMOTRON 2800 Programmer/Controller
Test Program	BCM

Test Result:



4. Reliability Test

4.1 Power Consumption Test

1.Test Environment:

CPU	AMD Geode GX 2 400MHZ
Memory	OnBoard DDR 128MB
HDD	Western Digital 250GB Model: WD2500JB-00GVCO
CDROM	ASUS 52Xmax
Test OS	Windows XP
Test Program	Winstone Content Creation 2000

Test Result:

Current	0.97A
Power	11.64W

2.Test Environment:

CPU	AMD Geode GX 2 400MHZ
Memory	OnBoard DDR 128MB
HDD	Seagate ST34311A 4.3GB
CDROM	AUSU CD-S400/A
Mini PCI	MP-878D
Test OS	Windows XP
Test Program	Winstone Content Creation 2000

Test Result:

Current	0.91A
Power	10.92W

3.Test Environment:

CPU	AMD Geode GX 2 400MHZ
Memory	OnBoard DDR 128MB
HDD	Seagate ST34311A 4.3GB
CDROM	AUSU CD-S400/A
Mini PCI	MP-878D(Capture Card)
15" LCD PANEL	
Test OS	Windows XP
Test Program	Winstone Content Creation 2001

Test Result:

Current	1.96A
Power	23.52W

4.Test Environment:

CPU	AMD Geode GX 2 400MHZ
Memory	OnBoard DDR 128MB
HDD	Seagate ST34311A 4.3GB
CDROM	AUSU CD-S400/A
Mini PCI	MP-878D(Capture Card)
12.1" TTL PANEL	LG PHILIPS (LB121S02)
Test Program	Winstone Content Creation 2001

Test Result:

Current	1.07A
Power	12.84W

4.2 Thermal measurements at various points on the board

Test Environment A:

CPU	AMD Geode GX 2 400MHZ
Memory	Onboard DDR 128MB
HDD	Western Digital 40GB(WD400EB)
Test Program	PC MARK2002

Test Result:

U7 (ICHTS6121A)	43°
U9 (ICHRTL8100B)	43.9°C
U20 (ICCM8501A)	72.3°C
U24 (RICH05C475II)	42.4°C
U30 (SUPER IO)	41.4°C
SB (ICS5535)	42.9°C
CPU (HEATSINK)	51.4°C

Test Environment B:

CPU	AMD Geode GX 2 400MHZ
Memory	Onboard DDR 128MB
HDD	Western Digital 40GB(WD400EB)
Test Program	BurnInTest

Test Result:

U7 (ICHTS6121A)	43.4°
U9 (ICHRTL8100B)	44.9°C
U20 (ICCM8501A)	76.4°C
U24 (RICH05C475II)	42.9°C
U30 (SUPER IO)	42.4°C
SB (ICS5535)	43.4°C
CPU (HEATSINK)	51.4°C

Test Environment C:

CPU	AMD Geode GX 2 400MHZ
Memory	Onboard DDR 128MB
HDD	Western Digital 40GB(WD400EB)
Test Program	Content Creation WinStone2001

Test Result:

U7 (ICHTS6121A)	42.3°
U9 (ICHRTL8100B)	42.9°C
U20 (ICCM8501A)	71.3°C
U24 (RICH05C475II)	43.1°C
U30 (SUPER IO)	43°C
SB (ICS5535)	42.9°C
CPU (HEATSINK)	50.4°C

5. Performance Test

5.1 Win Bench 99 Version 1.1

1.Windows 98 (AMD Geode GX2 400MHZ)

Item	WEIGHTED SUITE	Result	Remark
1	CPUmark99		
2	FPU Win Mark		
3	Business Disk Win Mark 99		
4	High-End Disk Win Mark 99		
5	Business Graphics Win Mark 99		
6	High-End Graphics Win Mark 99		

2. Windows 2000

Item	WEIGHTED SUITE	Result	Remark
1	CPUmark99	Pass	18.1
2	FPU Win Mark	Pass	663
3	Business Disk Win Mark 99	Pass	5990 Thousand Bytes/Sec
4	High-End Disk Win Mark 99	Pass	23800 Thousand Bytes/Sec
5	Business Graphics Win Mark 99	Pass	81.6
6	High-End Graphics Win Mark 99	Pass	125

3. Windows XP

Item	WEIGHTED SUITE	Result	Remark
1	CPUmark99	Pass	18
2	FPU Win Mark	Pass	659
3	Business Disk Win Mark 99	Pass	5130 Thousand Bytes/Sec
4	High-End Disk Win Mark 99	Pass	23000Thousand Bytes/Sec
5	Business Graphics Win Mark 99	Pass	52.4
6	High-End Graphics Win Mark 99	Pass	133

5.2 Winstone Content Creation 2000

1. Windows 98 (AMD Geode GX2 400MHZ)

Item	WEIGHTED SUITE	Result	Remark
1	Winstone Content Creation 2000 Scores		

2. Windows 2000

Item	WEIGHTED SUITE	Result	Remark
1	Winstone Content Creation 2000 Scores	Pass	14 14.2 14.1 14.1 13.7

3. Windows XP

Item	WEIGHTED SUITE	Result	Remark
1	Winstone Content Creation 2000 Scores	Pass	13.6 13.8 13.7 13.8 13.8

5.3 Winstone Content Creation 2001

1. Windows 98 (AMD Geode GX2 400MHZ)

Item	WEIGHTED SUITE	Result	Remark
1	Winstone Content Creation 2001 Scores		

2. Windows 2000

Item	WEIGHTED SUITE	Result	Remark
1	Winstone Content Creation 2001 Scores		

3. Windows XP

Item	WEIGHTED SUITE	Result	Remark
1	Winstone Content Creation 2001 Scores	Pass	39.8 39.7 40.1 41.2 40.9

5.4 PC MARK2002

1. Windows 98 (AMD Geode GX2 400MHZ)

Item	WEIGHTED SUITE	Result	Remark
1	CPU Scores		
2	MEMORY Scores		
3	HDD Scores		

2. Windows 2000

Item	WEIGHTED SUITE	Result	Remark
1	CPU Scores	Pass	410
2	MEMORY Scores	Pass	1386
3	HDD Scores	Pass	503

3. Windows XP

Item	WEIGHTED SUITE	Result	Remark
1	CPU Scores	Pass	403
2	MEMORY Scores	Pass	907
3	HDD Scores	Pass	745