

LV-760
Test Report
Edition 1.01
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Identify: Morgan

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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	IDE Secondary Master	Pass
8	IDE Secondary Slave	Pass
9	Floppy	Pass
10	Compact Flash	Pass
11	DIMM	Pass
12	VGA Port	Pass
13	Keyboard	Pass
14	Mouse	Pass
15	AUDIO Port	Pass
16	COM 1	Pass
17	COM 2	Pass
18	COM 3	Pass
19	COM 4	Pass
20	COM Port 422&485	Pass
21	Printer Port	Pass
22	IRDA	Pass
23	CDIN	Pass
24	CPUFAN	Pass
25	SYSFAN	Pass

2.0 PITCH (DIP)

1	JRTC	PASS
2	JBITSEL	PASS
3	JVLCD	PASS
4	JCFSEL	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	Drive A	PASS	
6	Drive B	PASS	
7	Quick Power On Self Test	PASS	
8	Boot Device Setting	PASS	
9	Boot Up Floppy Seek	PASS	
10	Boot Up NumLock Status	PASS	
11	OnChip IDE Channel 0	PASS	
12	OnChip IDE Channel 1	PASS	
13	OnChip IDE Channel 2	PASS	
14	OnChip IDE Channel 3	PASS	
15	VIA AC97 Audio	PASS	
16	VIA OnChip LAN	PASS	
17	OnChip USB Controller	PASS	
18	USB Emulation	PASS	
19	On Chip Serial ATA	PASS	
20	SATA Mode	PASS	
21	USB Keyboard Support	PASS	
22	USB Mouse Support	PASS	
23	Onboard FDC Controller	PASS	
24	Soft-Off by PWRBTN	PASS	
25	PS2KB Wakeup Select	PASS	
26	PS2KB Wakeup from S3 /S4 /S5	PASS	

27	PS2MS Wakeup from S3 /S4 /S5	PASS	
28	Wake-Up On LAN / Ring	PASS	
29	RTC Alarm Resume	PASS	

1.3 Driver

1. Windows 98 Driver Test

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

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: VIA Eden ESP 8000 800MHZ

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	WinBench99 Test	Pass	
5	WinStone99 Test	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	WinStone2000 Test	Pass	

Fedora Core.4 (Linux)

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

2.2 Memory Test

1. SAMSUNG DDR333 512MB (K4H560838D-TCB3)

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)	Pass	

2 Hynix DDR400 1GB (HY5DU12822AT-D43)

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)	Pass	

3 GREENCOM DDR333 512MB(Infineon HYB25D256800BT-6)

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

4 SAMSUNG DDR333 1GB (K4H560438D-TCB3)

Item	Description	Result	Remark
1	Boot	Pass	
2	MS-DOS 6.22	Pass	
3	Windows 2000	Pass	

4	Windows XP	Pass	
5	Fedora Core.4 (Linux)	Pass	

2.3 VGA Graphic Test

1. Windows 98

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

2. Windows 2000

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

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	Pass	
2	Speaker Left	Pass	
3	Speaker Right	Pass	
4	Microphone	Pass	

2.5 HDD Test

Model: Western Digital WD400

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: Fujitsu MHT2080BH 80GB(SATA)

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 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	
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: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	
4	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	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. 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	B&B Electronics COM Port RS-232 Test (W/Loop-Back)	Pass	
4	QAPLUSFE COM Port RS-232 Test (W/Loop-Back)	Pass	
5	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	

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 Module Test

1. MS-DOS 6.22

Item	Description	Result	Remark
1	LAN Module Install Test	N/A	
2	Driver Install	N/A	
3	Device Manager Check	N/A	
4	Data Transfer Test	N/A	
5	SIOTEST COM Port RS-422 Test	Pass	
6	SIOTEST COM Port RS-485 Test	Pass	

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	

5. Fedora Core.4 (Linux)

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(300W)
2	ATX Power On/Off	Pass	CMT SFX-200CPS3C-TL(200W)
3.	ATX Power On/Off	Pass	FSP FSP180-50PLA(180W)

2. Windows 98

Item	Description	Verification	
		Result	Remark
1	ATX Power On/Off	Pass	Seven team ST-300BLV(300w)
2	ATX Power On/Off	Pass	CMT SFX-200CPS3C-TL(200W)
3	ATX Power On/Off	Pass	FSP FSP180-50PLA(180W)

3. Windows 2000

Item	Description	Verification	
		Result	Remark
1	ATX Power On/Off	Pass	Seven team ST-300BLV(300W)
2	ATX Power On/Off	Pass	CMT SFX-200CPS3C-TL(200W)
3	ATX Power On/Off	Pass	FSP FSP180-50PLA(180W)

4. Windows XP

Item	Description	Verification	
		Result	Remark
1	ATX Power On/Off	Pass	Seven team ST-300BLV(300W)
2	ATX Power On/Off	Pass	CMT SFX-200CPS3C-TL(200W)
3	ATX Power On/Off	Pass	FSP FSP180-50PLA(180W)

5. Fedora Core.4 (Linux)

Item	Description	Verification	
		Result	Remark
1	ATX Power On/Off	Pass	Seven team ST-300BLV(300W)
2	ATX Power On/Off	Pass	CMT SFX-200CPS3C-TL(200W)
3	ATX Power On/Off	Pass	FSP FSP180-50PLA(180W)

2.13 CD-ROM Test

Model: AOPEN DVD1648/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

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

Model: ASUS CD-S400/A

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: 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	

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	

2.14 Floppy Drive Test

Model: MITSUMI D353M3

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	

5. Windows XP

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

6. Fedora Core.4

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

2.15 Printer Port Test

1. MS-DOS 6.22

Item	Description	Result	Remark
1	EPP	Pass	
2	ECP	Pass	
3	EPP+ECP	Pass	

2. Windows 98

Item	Description	Result	Remark
1	ECP/EPP PRINT TEST	Pass	

3. Windows 2000

Item	Description	Result	Remark
1	ECP/EPP PRINT TEST	Pass	

4. Windows XP

Item	Description	Result	Remark
1	ECP/EPP PRINT TEST	Pass	

5. Fedora Core.4

Item	Description	Result	Remark
1	Print TEST		

2.16 Boot Up Test

Item	Description	Result	Remark
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	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	PASS	
5	Windows XP SP2	PASS	
6	Windows Server 2003	PASS	
7	Windows NT	PASS	
8	Linux "Red Hat 9.0"		
9	Linux "Suse 10.0"	PASS	
10	Linux "Fedora Core4"	PASS	
11	Linux "Open Linux"		

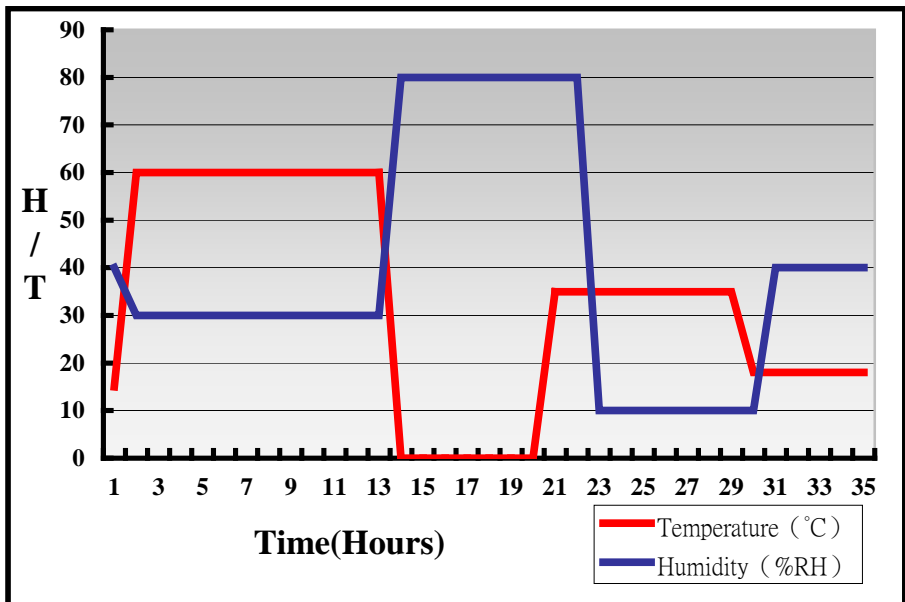
3. Environmental test

3.1 Temperature & Humidity Test

Hardware Device list:

System Board	HE-760
CPU	VIA Eden 8000ESP 800MHZ
Memory	SAMSUNG DDR333 512MB
HDD	WD 40GB Model: WD400EB-00CPF0
KEYBOARD	KRONE K9810
MOUSE	DCS USBMOUSE
Test Equipment	THERMOTRON 2800 Programmer/Controller
Test Program	BCM

Test Result:



4. Reliability Test

4.1 Power Consumption Test

1.Test Environment:

CPU	VIA Eden ESP 8000 800MHZ
Memory	SAMSUNG DDR333 512MB
HDD	Western Digital WD2500JB 250GB
CDROM	Actima A52T
Test OS	Windows 2000
Test Program	3DMARK 2001

Test Result:

Voltae	Current (A)	Power (W)	Remark
5V	4.5	22.5	
12V	0.08	0.96	

2.Test Environment:

CPU	VIA Eden ESP 8000 800MHZ
Memory	Infineon DDR333 512MB
HDD1	Western Digital WD400EB 40GB
HDD2	HITACHI IC25N020ATMR04—0 20GB
FDD	SONY MPF920-E
CDROM	ASUS CD-S400/A
Test OS	Windows XP
Test Program	PC MARK 2004

Test Result:

Voltae	Current (A)	Power (W)	Remark
5V	4.8	24	
12V	0.3	3.6	

3.Test Environment:

CPU	VIA Eden ESP 8000 800MHZ
Memory	Infineon DDR333 512MB
HDD1	Western Digital WD400EB 40GB
HDD2	HITACHI IC25N020ATMR04—0 20GB
FDD	SONY MPF920-E
CDROM	ASUS CD-S400/A
Test OS	Windows XP
Test Program	3D MARK 2001

Test Result:

Voltae	Current (A)	Power (W)	Remark
5V	4.9	24.5	
12V	0.4	4.8	

4.Test Environment:

CPU	VIA Eden ESP 8000 800MHZ
Memory	Infineon DDR333 512MB
HDD1	Western Digital WD400EB 40GB
HDD2	HITACHI IC25N020ATMR04—0 20GB
FDD	SONY MPF920-E
IrDA	ACT-IR210L
Mini-PCI WLAN	Texas Instruments 802.11g
CDROM	ASUS CD-S400/A
Test OS	Windows XP
Test Program	3D MARK 2001

Test Result:

Voltae	Current (A)	Power (W)	Remark
5V	5.0	25	
12V	0.3	3.6	

5.Test Environment:

CPU	VIA Eden ESP 8000 800MHZ
Memory	Infineon DDR333 512MB
Monitor1	Viewsonic VP201b 20.1”(LCD DVI)
Monitor2	NOW X50P 15”(CRT)
HDD1	Western Digital WD400EB 40GB
HDD2	HITACHI IC25N020ATMR04—0 20GB
FDD	SONY MPF920-E
IrDA	ACT-IR210L
Mini-PCI WLAN	Texas Instruments 802.11g
CDROM	ASUS CD-S400/A
Test OS	Windows XP
Test Program	3D MARK 2001

Test Result:

Voltae	Current (A)	Power (W)	Remark
5V	4.8	24	
12V	0.2	2.4	

6.Test Environment:

CPU	VIA Eden ESP 8000 800MHZ
Memory	SAMSUNG DDR333 512MB
HDD	Western Digital WD400EB 40GB
CDROM	ASUS S520/A
Test Program	3DwinMark 2001

Test Result:

Voltae	Current (A)	Power (W)	Remark
5V	4.4	22	
12V	0.1	1.2	

4.2 Thermal measurements at various points on the board

Test Environment A:

CPU	VIA Eden ESP 8000 800MHZ
Memory	SAMSUNG DDR333 512MB
HDD	Western Digital WD2500JB 250GB
15" LCD PANNEL	BENQ (FM0220)
CDROM	ASUS CD-S400/A
Test Program	3DMark 2001

Test Result:

Q4	46.8°C
NB (CN400)	54.9°C
SB (VT8237)	50.9°C
U14 (VCORE)	51.3°C
U20 (SUPER IO)	42.3°C
U23 (LAN CHIP)	40.9°C
CPU	56.4°C

Test Environment B:

CPU	VIA Eden ESP 8000 800MHZ
Memory	SAMSUNG DDR333 512MB
HDD	Western Digital WD2500JB 250GB
15" LCD PANNEL	BENQ (FM0220)
CRDROM	ASUS CD-S400/A
Test Program	3DWINBENCH 2000

Test Result:

Q4	47.4°C
NB (CN400)	52.4°
SB (VT8237)	52.4°C
U14 (VCORE)	52.5°C
U20 (SUPER IO)	39.6°C

U23 (LAN CHIP)	38.8°C
CPU	55.9°C

Test Environment C:

CPU	VIA Eden ESP 8000 800MHZ
Memory	INFIRON DDR333 512MB
HDD	Western Digital WD2500JB 250GB
DVD-ROM	EPO DVD-8216
Test Program	CONTENT CREATION WINSTONE 2004

Test Result:

Q4	42.4°C
NB (CN400)	51.9°C
SB (VT8237)	46.9°C
U14 (VCORE)	50.4°C
U20 (SUPER IO)	45.7°C
U23 (LAN CHIP)	40.7°C
CPU	52.4°C

5. Performance Test

Test Environment
SAMSUNG DDR333 512MB Western Digital WD400EB 40GB Aopen DVD1648/LKY

5.1 Win Bench 99

1.Windows 98 (VIA Eden ESP 8000 800MHZ)

Item	WEIGHTED SUITE	Result	Remark
1	CPUmark99	Pass	51.7
2	FPU WinMark	Pass	1750
3	Business Disk WinMark 99	Pass	7370 Thousand Bytes/Sec
4	High-End Disk Win Mark 99	Pass	16500 Thousand Bytes/Sec
5	Business Graphics WinMark 99	Pass	108
6	High-End Graphics Win Mark 99	Pass	539

3. Windows 2000

Item	WEIGHTED SUITE	Result	Remark
1	CPUmark99	Pass	52.8
2	FPU Win Mark	Pass	1750
3	Business Disk Win Mark 99	Pass	6090 Thousand Bytes/Sec
4	High-End Disk Win Mark 99	Pass	22600 Thousand Bytes/Sec
5	Business Graphics Win Mark 99	Pass	220
6	High-End Graphics Win Mark 99	Pass	470

4. Windows XP

Item	WEIGHTED SUITE	Result	Remark
1	CPUmark99	Pass	53.4
2	FPU Win Mark	Pass	1760
3	Business Disk Win Mark 99	Pass	6190Thousand Bytes/Sec
4	High-End Disk Win Mark 99	Pass	22300Thousand Bytes/Sec
5	Business Graphics Win Mark 99	Pass	193
6	High-End Graphics Win Mark 99	Pass	371

5.2 Win Stone 99 Version 1.1

+1. Windows 98 (VIA Eden ESP 8000 800MHZ)

Item	WEIGHTED SUITE	Result	Remark
1	Business Win stone 99 Win stone 99 Scores	Pass	24.4 24.5 24.7 24.6 24.5

2. Windows 2000

Item	WEIGHTED SUITE	Result	Remark
1	Business Win stone 99 Win stone 99 Scores	Pass	34.2 34.9 36.2 36 35.3

3. Windows XP

Item	WEIGHTED SUITE	Result	Remark
1	Business Win stone 99 Win stone 99 Scores		

5.3 Business Win Stone 2001

1. Windows 98 (VIA Eden ESP 8000 800MHZ)

Item	WEIGHTED SUITE	Result	Remark
1	Business Win stone 2001 Win stone 2001 Scores	Pass	24.3 24.3 24.1 23.9 24.1

2. Windows 2000

Item	WEIGHTED SUITE	Result	Remark
1	Business Win stone 2001 Win stone 2001 Scores	Pass	26.3 25.7 25 25.5 27.5

4. Windows XP

Item	WEIGHTED SUITE	Result	Remark
1	Business Win stone 2001 Win stone 2001 Scores		

5.4 Business Win Stone 2002

1. Windows 98 (VIA Eden ESP 8000 800MHZ)

Item	WEIGHTED SUITE	Result	Remark
1	Business Win stone 2002 Win stone 2002 Scores	Pass	12.2 11.6 12.3 12.3 12.2

2. Windows 2000

Item	WEIGHTED SUITE	Result	Remark
1	Business Win stone 2002 Win stone 2002 Scores	Pass	13.1 13.1 13.8 13.2 13.2

4. Windows XP

Item	WEIGHTED SUITE	Result	Remark
1	Business Win stone 2002 Win stone 2002 Scores	Pass	12.4 12.9 12.4

5.5 Winstone Content Creation 2000 Version 1.0

1. Windows 98 (VIA Eden ESP 8000 800MHZ)

Item	WEIGHTED SUITE	Result	Remark
1	Winstone Content Creation 2000 Scores	Pass	24.1 23.6 24.1 24.2 24.1

2. Windows 2000

Item	WEIGHTED SUITE	Result	Remark
1	Winstone Content Creation 2000Scores	Pass	31.7 31.8 31.8 31.9 31.8

3. Windows XP

Item	WEIGHTED SUITE	Result	Remark
1	Winstone Content Creation 2000 Scores	Pass	29 29.1 29.1 29.1 29

5.6 Winstone Content Creation 2001

1. Windows 98 (VIA Eden ESP 8000 800MHZ)

Item	WEIGHTED SUITE	Result	Remark
1	Winstone Content Creation 2001 Scores	Pass	22.9 22.9 23.2 23.1 23

2. Windows 2000

Item	WEIGHTED SUITE	Result	Remark
1	Winstone Content Creation 2001Scores	Pass	27.9 28.5 28.1 27.9 28.2

3. Windows XP

Item	WEIGHTED SUITE	Result	Remark
1	Winstone Content Creation 2001 Scores	Pass	28.9 28.6 28.8 28.7 28.8

5.7 3D MARK

1. Windows 98 (Pentium-M Intel 1.4 GHZ)

Item	WEIGHTED SUITE	Result	Remark
1	3DMARK2000 Scores	Pass	1479
2	3DMARK2001 Scores	Pass	619

2. Windows 2000

Item	WEIGHTED SUITE	Result	Remark
1	3DMARK2000 Scores	Pass	1409
2	3DMARK2001 Scores	Pass	803

3. Windows XP

Item	WEIGHTED SUITE	Result	Remark
1	3DMARK2000 Scores	Pass	1924
2	3DMARK2001 Scores	Pass	796

5.8 PCMARK 2002

1. Windows 98 (VIA Eden ESP8000 800MHZ)

Item	WEIGHTED SUITE	Result	Remark
1	CPU Score	Pass	902
2	Memory Scores	Pass	777
3	HDD Score	Pass	676

2. Windows 2000

Item	WEIGHTED SUITE	Result	Remark
1	CPU Score	Pass	911
2	Memory Scores	Pass	874
3	HDD Score	Pass	687

3. Windows XP

Item	WEIGHTED SUITE	Result	Remark
1	CPU Score	Pass	916
2	Memory Scores	Pass	919
3	HDD Score	Pass	670