

Product Certification Report

Release No : 03E010219

Product Model	HSB-657I
Product Description	AIO Half-size ISA CPU Card.W/667 Eden.4USBs.4COMs.LAN.LCD
Test Reason	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : HSB-657I Rev.0.1 <input checked="" type="checkbox"/> BIOS: SBC-657/HSB-657I BIOS Rev.1.3(08/04/2003) <input type="checkbox"/> Renew product <input type="checkbox"/> PCB : <input type="checkbox"/> BIOS: <input type="checkbox"/> Revision change <input type="checkbox"/> PCB : <input type="checkbox"/> BIOS: <input type="checkbox"/> Component: <input checked="" type="checkbox"/> General Function <input checked="" type="checkbox"/> Chipset: North Bridge: VIA / S3 VIA TWISTER /PN133T /FJC0AC / 0209 Q12293.1 South Bridge: VIA / VT82C686B / 0204CD / 13C7K1077 <input checked="" type="checkbox"/> Ethernet Chipset: Onboard RJ-45 Connector,Realtek 8139D <input checked="" type="checkbox"/> I/O Chipset: VIA VT8606/686B

2003-6-19

Wayne Chen

Andrew ku

Issue date

A.V.P

Test Engineer

Test result for certification

Stability Test - Dynamic / Boot_UP Burn_In Test	Result
Dynamic Burn-In test. (Qaplusfe 5.5 Operating at 0°C~60°C for 48hours)	Pass
Dynamic Burn-In test. (Power On/Off Operating at 0°C~60°C for 24hours)	Pass
LAN Chipset Burn_In Test. (Operating at 0°C & 60°C for 2hours)	Pass
Boot_Up Burn_In Test .(Operating at Room Temp.)	Pass
Timer Accuracy Test	Result
System clock accuracy of +/-5 sec per day.	Pass
RTC timer accuracy of +/-3 sec per day.	Pass
Watchdog timer accuracy of +/-20 % per sec/ min.	Pass
Margin Test – Power Consumption – PIII 1G , SDRAM 128MB	Result
Electrical characteristics – Normal Mode(+3.3V)	0 A
Electrical characteristics – Standby Mode(+3.3V)	0 A
Electrical characteristics – Normal Mode(+5V)	2.5 A
Electrical characteristics – Standby Mode(+5V)	1.6 A
Electrical characteristics – Normal Mode(+12V)	0 A
Electrical characteristics – Standby Mode(+12V)	0 A
Network HUB / LAN Connects Test	Result
LAN1 HP J4095A 24Ports [100 /10 Mbps]	Pass
LAN1 D-Link DES-1008 [100 / 10 Mbps]	Pass
LAN1 Intel InBusiness 8 Ports [100 / 10 Mbps]	Pass
LAN1 LEMEL LM-S5 5 Ports [100 / 10 Mbps]	Pass
LAN1 Accton DeskTop-3005 [100 / 10 Mbps]	Pass
LAN1 SVEC FD916H [10 Mbps]	Pass
Touch Screen for serial Ports Test	Result
COM 1 Serial Port	Pass
COM 2 Serial Port	Pass
COM 3 Serial Port	Pass
COM 4 Serial Port	Pass
CPU Compatible Test	Result
VIA C3 667A MHz(133x5.0)	Pass
Memory Test – SDRAM PC-133/100	Result
NEC / D45128163G5-A80-9JF / PC100 /128MB	Pass
NANYA /NT56V6620C0T-75 / PC133 /64MB	Pass
Transcend/ V54C3128804VAB7 P187043CGAUB / PC133 /256MB	Pass
HITACHI / HB52RF648DC-75B / PC133 / 512MB	Pass
SAMSUNG / K4S560832B-TC75 / PC133 / 256MB	Pass
VGA Card Compatible Test	Result
CIRRUS LOGIC 5429 / ISA Card	Pass
Multi Media Card Compatible Test	Result
Lemel ESS ES1868F 3D/16 PnP (ISA bus)	Pass
SCSI Card Compatible Test	Result

AHA-1520B (ISA bus)	Pass
LAN Card Compatible Test	Result
Intel PILA8560 (10/100MB) (ISA bus)	Pass
HDD Compatible Test	Result
IBM DTLA-307075 / ATA-100 / 76.8GB	Pass
IBM IC35L180AVV207-1 / ATA-133 / 185.2GB	Pass
Maxtor 4G160J8 / ATA-100 / 46.1GB	Pass
Maxtor 54610H6 / ATA-133 / 160GB	Pass
Maxtor 54098U8 / ATA-66 / 40.9GB	Pass
Seagate ST340016A / ATA-100 / 40GB	Pass
Seagate ST380021A / ATA-100 / 80GB	Pass
W/D WD200EB-OOCPFO / ATA- / 20GB	Pass
W/D WD400EB / ATA- / 40GB	Pass
CDROM / DVDROM Test	Result
NEC C&C-BCD F561B / 52X	Pass
TEAC CD-540E-082-U / 40X	Pass
SONY CDU5231 / 52X	Pass
IBM GCR-8480B / 48X	Pass
MITSUMI FX5400W /54X	Pass
Kodak 4802 / 6X /CDR/RW	Pass
PIONEER ATAPI DVD-A03S / 6X / DVD-ROM	Pass
Acer DVP1640A / 16X / DVD-ROM	Pass
USB Compatible Test	Result
CMOS Setting Test	Pass
CyberLink Power DVD XP4.0 Remote control	Pass
Acer 6406EU-122 CD-ROM	Pass
HP SJ4200C Scanner	Pass
HP Photo Smart P1000 Print	Pass
IOMEGA ZIP 100MB	Pass
D-Link DSB-H4/ DU-H4 HUB	Pass
MITSUMI FLL3.5 D353GUE/FUE	Pass
Floppy Disk Controller Test	Result
Copy and Compare file between C : and A/B	Pass
Format A/B with system transfer and boot PC from floppy	Pass
Change CMOS Floppy is NONE value	Pass
SWAP FDD	Pass
Peripheral Storage Device Compatible test	Result
Fujitsu MO MCB3064SS (SCSI Type)	Pass
IOMEGA ZIP100M (Parallel Type)	Pass
IOMEGA ZIP100M (IDE Type)	Pass
LS-120 / LKM-F930-1 (IDE Type)	Pass
Compact Flash	Pass
Digital I/O Connector Test	Result
DIO Function Test	Pass

Industry Control Adapter Card Compatible Test-PC104/PC104Plus	Result
AAEON PCM-5600 / Fax/Modem Module	Pass
AAEON PCM-3115B / PCMICA Module	Pass
AAEON PCM-3640 / RS-232 Module	Pass
On Board SCSI Function Test	Result
RICOH Mp7060S / 24X / SCSI-CDROM	Pass
Seagate 32155W / 2.15GB	Pass
Seagate ST39205LW/P / 9GB / Ultra160 / LVD	Pass
Fujitsu MAH3091MP / 9.1GB / Ultra160 / LVD	Pass
Fujitsu MCB3064SS / MO Device	Pass
On Board I / O Function Test	Result
COM Port Send-Receive Test	Pass
CheckIt 7.0 Portable Edition Test	Pass
Disk On Module [DOM] Compatibility Test	Result
DOM-256-026P / Rev.A1k20 / IDE 40 Pin	Pass
System Integer Application Test	Result
ISA cards integer application	Pass
BIOS Function Test	Result
Standard CMOS Setup Test	Pass
Boot Sequence Test	Pass
APM Power manager test	Pass
ACPI Power manager test	Pass
CMOS backup Test	Pass
Boot ROM Test	Pass
COM Address/IRQ Test	Pass
LPT Address /IRQ Test	Pass
Hardware Monitor Test	Pass
Supervisor / User Password Test	Pass
BIOS Awdflash Program Test	Pass
Performance Test – CPU Pentium III 850 , DRAM 128MB	Result
LandMark Speed 2.0 – CPU	2997.09
LandMark Speed 2.0 – FPU	1738.89
LandMark Speed 2.0 – VIDEO	27306.00
WinBench 99 V1.1- CPU mark99	34.8
WinBench 99 V1.1- FPU winmark	1290
WinBench 99 V1.1- Business Graphic winmark99	205
WinBench 99 V1.1- High_end Graphic winmark99	515
Final Reality V1.01 BenchMark Test – 2D image	3.22
Final Reality V1.01 BenchMark Test – 3D	3.07
Final Reality V1.01 BenchMark Test – Bus transfer	1.21
Final Reality V1.01 BenchMark Test – Overall	2.831
3D WinBenech 2000 v1.0 with DirectX7 and 1024x768x16Bits-Processor Test	0.55
Content Creation Winstone 2000 V1.0 – C.C.Winstone 2000	1
WinStone 99 V1.1 – High_end winstone99	1

WinStone 99 V1.1 – Business winstone99	1
Operation System Compatible Test	Result
Linux Red Hat 8.0	Pass
Windows 98SE English / Chinese version	Pass
Windows 2000 professional English version	Pass
Windows XP Professional Chinese version	Pass
DOS and DOS Utility Compatibility Testing	Pass
Utility and Driver Test	Result
Red hat Linux 8.0 hardware compatible list for VGA	Pass
Red hat Linux 8.0 hardware compatible list for LAN	Pass
VGA for Windows 98SE (Onboard S3 Graphic Ver.4.13.01.3049.)	Pass
VGA for Windows 2000P (Onboard S3 Graphic Ver.6.13.10.1100)	Pass
VGA for Windows XP (Onboard S3 Graphic Ver.6.13.10.1100)	Pass
LAN for Windows 98SE (Realtek RTL8139D Ver.4.10.2222)	Pass
LAN for Windows 2000P (Realtek RTL8139D Ver.5.505.1004.2002)	Pass
LAN for Windows XP(Realtek RTL8139D Ver.5.505.1004.2002)	Pass
LCD Monitor Function Test	Result
CRT+LCD or CRT+LCD+TV – Dual or Three Display Function Test	Pass
Samsung / LT150X1-151	Pass
Samsug /LTM 150,1-L04	Pass
Samsung / LTM150XS-T01 / TFT / 15”	Pass
Toshiba / LTM10C273 / TFT / 10.4”	Pass
NEC / NL6448BC33-46 / TFT / 10.4”	Pass
Miscellaneous Test	Result
Windows 98 Power manager test	Pass
Windows 2000 Power manager test	Pass
H/W Reset	Pass
Ext. Speaker	Pass
On board buzzer	Pass
Keyboard Lock	Pass
HDD LED	Pass
Power LED	Pass
Ext. KB connector	Pass
Watchdog – reset	Pass
Watchdog – IRQ 15	Pass
Disable watchdog	Pass
ATX power button	Pass
CPU FAN connector	Pass
COM1	Pass
COM2	Pass
COM2-RS-422	Pass
COM2-RS-485	Pass
COM3	Pass
COM4	Pass

LPT1	Pass
PS2 Keyboard / Mouse	Pass
SIR / 115K bps	Pass
FIR / 4M bps	Pass
LCD Display Function Test	Pass