

Mainboard Product Certification Report

Release No : 03E010123

Product Model	SBC-780
Product Description	AIO Full-size CPU Card.FC-PGA2.TTL/LVDS LCD.PCI-104.Dual LAN.CF.4USBS
Test Reason	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : SBC-780 Rev:A0.1 SBC-780 Rev.A0.2 <input checked="" type="checkbox"/> BIOS: SBC-780 BIOS Rev 0.1 (01/13/2003) SBC-780 BIOS Rev 1.0 (05/19/2003) <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 type="checkbox"/> General Function <input type="checkbox"/> Chipset: <input type="checkbox"/> Audio Chipset: <input type="checkbox"/> Ethernet Chipset: <input type="checkbox"/> I/O Chipset:

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Issue date

AVP

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 ~60 for 48hours)	Pass
Dynamic Burn-In test. (Power On/Off Operating at 0 ~60 for 24hours)	Pass
Audio Play For Sound Codec Chipset Burn-In Test .(Operating at 0 & 60 for 2hours)	Pass
LAN Chipset Burn_In Test. (Operating at 0 & 60 for 2hours)	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 1.3G , SDRAM 128MB	Result
Electrical characteristics – Normal Mode(+3.3V)	0.72 A
Electrical characteristics – Standby Mode(+3.3V)	0.11 A
Electrical characteristics – Normal Mode(+5V)	6.99 A
Electrical characteristics – Standby Mode(+5V)	6.59 A
Electrical characteristics – Normal Mode(+12V)	0.13 A
Electrical characteristics – Standby Mode(+12V)	0.05 A
Power VCC 4.75V to 5.25V Margin test .	Pass
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
LAN2 HP J4095A 24Ports [100 /10 Mbps]	Pass
LAN2 D-Link DES-1008 [100 / 10 Mbps]	Pass
LAN2 Intel InBusiness 8 Ports [100 / 10 Mbps]	Pass
LAN2 LEMEL LM-S5 5 Ports [100 / 10 Mbps]	Pass
LAN2 Accton DeskTop-3005 [100 / 10 Mbps]	Pass
LAN2 SVEC FD916H [10 Mbps]	Pass
Touch Screen for serial Ports Test	Result
COM 1 Serial Port	Pass
COM 2 Serial Port	Pass
CPU Compatible Test	Result
Pentium III 1.4G (133 FSB)	Pass
Pentium III 1G (133 FSB)	Pass
Pentium III 1G (100 FSB)	Pass
Pentium III 933 (133 FSB)	Pass
Pentium III 850 (100 FSB)	Pass
Celeron 1.3G (100 FSB)	Pass

Celeron 1.1G (100 FSB)	Pass
C3 800 (133)	Pass
C3 750 (100)	Pass
Memory Test – SDRAM PC-133/100	Result
Hitachi /5264805DTTA60 / PC-100 / 64MB	Pass
Hyundai / HY57V1291620L TC-10S / PC-100/ 64MB	Pass
Hyundai / HY57V658020 TC-10 / PC-100 / 128MB	Pass
Infineon / HYB39S64800CT-75 / PC133 / 128MB	Pass
NANYA / NT56V6620C0T-75 / PC-133 / 64MB	Pass
NEC / D4564841G5-A80-9JF / PC-100 / 64MB	Pass
NEC / D4564841G5-A10-9JF / PC-100 / 128MB	Pass
NEC / D4564163G5-A10B-9JF / PC-100 / 256MB	Pass
NEC / D4564841G5-A80-9JF / PC-100 / 128MB	Pass
SEITEC / PM72V56841CT-6 / PC133 / 512MB	Pass
Winbond / 107DD W981208BH-75 / PC-133 /256MB	Pass
VGA Card Compatible Test	Result
3D Blaster Savage 4 / PCI Card	Pass
CIRRUS LOGIC 5429 / ISA Card	Pass
Multi Media Card Compatible Test	Result
Creative AUDIO (PCI bus)	Pass
Creative Sound BLASTER Live5.1 (PCI bus)	Pass
Lemel ESS ES1868F 3D/16 PnP (ISA bus)	Pass
SCSI Card Compatible Test	Result
APTEC / ASC-29160 (PCI bus)	Pass
Takram DC-395U / V1.02 (PCI bus)	Pass
AHA-1520B (ISA bus)	Pass
Modem Card Compatible Test	Result
Genuine GM56-AMI2019 (PCI bus)	Pass
LAN Card Compatible Test	Result
3 COM 3C905-TX (PCI bus)	Pass
D-Link FE-530TX Fast Adapter (PCI bus)	Pass
Intel SB82559 (20/100Mbps) (PCI bus)	Pass
Intel PILA8560 (10/100MB) (ISA bus)	Pass
Other Card Test	Result
YUAN DVD MPEG-2 MPEG CARD (PCI)	Pass
RAID Adapter Card Test	Result
ABIT HotRod 100 Pro (PCI bus)	Pass
HDD Compatible Test	Result
IBM IC35L180AW207-1/185G/ATA133	Pass
Maxtor D749-6L/40GB/ATA100	Pass
SeagateST330620A/30.6GB/ATA100	Pass

Quantum Fireball/8.4G/ATA66	Pass
Seagate ST340016A/30G/ATA100	Pass
Fujitsu MPE 3136AH / 13.6GB / ATA-66	Pass
Fujitsu MPE 3136AH / 13.6GB / ATA-66	Pass
Seagate/ST31276A/1.2G/ATA33	Pass
CDROM / DVDROM Test	Result
TEAC CD-540E / 40X	Pass
ASUS CD-S500A / 50X	Pass
Aopen CD-952E/AKH /52X	Pass
Acer DVP1640A / 16X / DVD-ROM	Pass
NEC BCD F561B /52X	Pass
Pioneer ATAPI DVD-A03S /6X	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
IOMEGA ZIP100M (Parallel Type)	Pass
IOMEGA ZIP100M (IDE Type)	Pass
LS-120 / LKM-F930-1 (IDE Type)	Pass
Compact Flash	Pass
Industry Control Adapter Card Compatible Test- PC104Plus	Result
AAEON PCM-3730 / Intel 82559 LAN Module / PC104 Plus	Pass
AAEON PCM-3430 / SCSI Module / PC104 Plus	Pass
AAEON PCM-3708 / ATI VGA Mode Module	Pass
AAEON PCM-3794 / PCMCIA Module	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
PCI 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
Power On Function test	Pass
Wake Up Event 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	8844.82
LandMark Speed 2.0 – FPU	41820
LandMark Speed 2.0 – VIDEO	65536
WinBench 99 V1.1- CPU mark99	111
WinBench 99 V1.1- FPU winmark	7670
WinBench 99 V1.1- Business Graphic winmark99	268
WinBench 99 V1.1- High_end Graphic winmark99	1040
Final Reality V1.01 BenchMark Test – 2D image	10.84
Final Reality V1.01 BenchMark Test – 3D	5.73
Final Reality V1.01 BenchMark Test – Bus transfer	4.56
Final Reality V1.01 BenchMark Test – Overall	7.09
3D WinBenech 2000 v1.0 with DirectX7 and 1024x768x16Bits-Processor Test	3.12
Content Creation Winstone 2000 V1.0 – C.C.Winstone 2000	37.3
WinStone 99 V1.1 – High_end winstone99	51.2
WinStone 99 V1.1 – Business winstone99	41.1
Operation System Compatible Test	Result
Linux Red Hat 7.2	Pass
Windows 98SE English / version	Pass
Windows ME English / Chinese version	Pass
Windows NT workstation 4.0 English version with service pack 6	Pass
Windows NT server 4.0 English version	Pass
Windows 2000 professional English version	Pass
Windows XP Professional English version	Pass
DOS and DOS Utility Compatibility Testing	Pass
Utility and Driver Test	Result

Red hat Linux 7.2 hardware compatible list for VGA	Pass
Red hat Linux 7.2 hardware compatible list for LAN	Pass
Red hat Linux 7.2 hardware compatible list for Audio	Pass
4 in1 for Windows 98SE (4.37)	Pass
4 in1 for Windows 2000P (4.37)	Pass
4 in1 for Windows XP (4.37)	Pass
VGA for Windows 98SE ((S3 Graphics Twister 4.13.01.3025.)	Pass
VGA for Windows NT 4.0 (S3 Graphics Twister 4.1024.1310.4.0.0)	Pass
VGA for Windows 2000P ((S3 Graphics Twister 6.13.1030.)	Pass
VGA for Windows XP (S3 Graphics Twister 6.13.10.1031)	Pass
LAN for Windows 98SE (Realtek RTL8139DL 5.505.1004.2002)	Pass
LAN for Windows NT 4.0 (Realtek RTL8139DL)	Pass
LAN for Windows 2000P (Realtek RTL8139DL 5.505.1004.2002)	Pass
LAN for Windows XP(Realtek RTL8139DL 5.505.1004.2002)	Pass
Audio for Windows 98SE ('AC97' 5.12.01.3200)	Pass
Audio for Windows NT 4.0('AC97')	Pass
Audio for Windows 2000P('AC97' 5.12.01.3200)	Pass
Audio for XP ('AC97' 5.1.25350)	Pass
LCD Monitor Function Test	Result
Samsung / LTM150XS-T01 / TFT / 15"	Pass
Toshiba / LTM10C273 / TFT / 10.4"	Pass
Toshiba /LTM10C209A/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
HDD LED	Pass
Power LED	Pass
Watchdog – reset	Pass
ATX power button	Pass
CPU FAN connector	Pass
COM1	Pass
COM2	Pass
COM2-RS-422	Pass
COM2-RS-485	Pass
LPT1	Pass
PS2 Keyboard / Mouse	Pass
SIR / 115K bps	Pass
LCD Display Function Test	Pass