AAEON Technology INC.
ISO-9001/ISO-14001 Certified
Industrial Automation PCs

Workstation / IPC
Product Certification Report

Release No : 03P010307

Product Model	AMB-551D
Product Description	15" Panel PC with 5 slots Industrial Chassis

Test Reason	☑New product
	  ☑PCB : SBC-780Rev:A1.0
	  ☑BIOS: SBC-780 BIOS Rev:1.0 (06/05/2003)
	
	☐Renew product
	  ☐PCB :
	  ☐BIOS:
	
	☐ Revision change
	  ☐PCB :
	  ☐BIOS:
	  ☐Component:

2003-12-16	*Wenyan yang*	*Angel Chu*
Issue date	**Deputy Direct**	**Test Engineer**

Test result for certification

Stability Test - Dynamic / Boot_UP Burn_In Test	Result
Dynamic Burn-In test. (VCD File Operating at 0 ~50 for 48hours)	Pass
Dynamic Burn-In test. (H/W Reset 20 Time Operating at Room Temp.) 110V	Pass
Dynamic Burn-In test. (HB Reset 20 Time Operating at Room Temp.) 110V	Pass
Dynamic Burn-In test. (H/W Reset 20 Time Operating at Room Temp.) 220V	Pass
Dynamic Burn-In test. (HB Reset 20 Time Operating at Room Temp.) 220V	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
Network HUB LAN Connects Test	**Result**
LAN1 HP J4095A 24Ports 100 /10 Mbps	Pass
LAN2 HP J4095A 24Ports 100 /10 Mbps	Pass
CPU Compatible Test	**Result**
Pentium III 1G 133 FSB	Pass
Memory Test – SDRAM PC-133/100	**Result**
NEC D45128841G5-A75-9JF / PC133 / 256MB	Pass
Riser Card Test	**Result**
AAEON /MBC-V100 (VGA Card)	Pass
PixelView Play TV (Capture Card)	Pass
Intel Pro/1000MT Desktop (GigaLan Card)	Pass
D-Link Wireless Network DWL-520+ (Wireless Lan Card)	Pass
Creative Sound Blaster Live5.1 (Sound Card)	Pass
Takram DC-395U V1.02 (SCSI Card)	Pass
Mpeg Card YUAN DVD (Mpeg Card)	Pass
Genuine GM56-AMI2019 (Modem Card)	Pass
Adapter ASC-29160/CN KIT (SCSI Card)	Pass
Lemel ESS ES1868F 3d/16 PnP (Sound Card)	Pass
Adapter AHA-1520B (SCSI Card)	Pass
Intel PILA8560 10/100 Mbps (Lan Card)	Pass
USB Compatible Test	**Result**
CMOS Setting Test	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
I/O Peripheral Test	**Result**
FDD Driver A:	Pass
Primary IDE Master	Pass
Primary IDE Slave	Pass
Secondary IDE Master	Pass

Secondary IDE Slave	Pass
COM 1	Pass
COM 2 -232	Pass
PS/2 MOUSE	Pass
LPT 1	Pass
USB Ports	Pass
Compact Flash	Pass
Buzzer	Pass
Power LED	Pass
ATX Power button	Pass
CPU FAN Connector	Pass
LAN LED / Function	Pass
LCD	Pass
Peripheral Storage Device Compatible test	**Result**
Compact Flash	Pass
Modular System Industrial Workstatuon Function Test	**Result**
AC power outlet / inlet	Pass
Power On / Off	Pass
CD-ROM & Floppy drive included	Pass
PS/2 keyboard connector	Pass
Digital brighness controller	Pass
On Board I / O Function Test	**Result**
COM Port Send-Receive Test	Pass
CheckIt 7.0 Portable Edition Test	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 III1GB , DRAM 256MB	**Result**
LandMark Speed 2.0 – CPU	6309.27
LandMark Speed 2.0 – FPU	20910
LandMark Speed 2.0 – VIDEO	65536

WinBench 99 V1.1- CPU mark99	82.1
WinBench 99 V1.1- FPU winmark	5310
WinBench 99 V1.1- Business Graphic winmark99	399
WinBench 99 V1.1- High_end Graphic winmark99	987
Final Reality V1.01 BenchMark Test – 2D image	6.56
Final Reality V1.01 BenchMark Test – 3D	4.75
Final Reality V1.01 BenchMark Test – Bus transfer	3.83
Final Reality V1.01 BenchMark Test – Overall	5.16
High End WinStone 99	54.4
Business WinStone 99	38.5
Operation System Compatible Test	**Result**
RedHat Linux 8.0	Pass
Windows 98SE English / Chinese version	Pass
Windows 2000 professional English version	Pass
Windows 2000 Server Chinese Simplified character version	Pass
Windows XP Professional Chinese version	Pass
Windows XP Home Edition English version	Pass
Utility and Driver Test	**Result**
VGA for Linux 8.0 hardware compatible list for VGA	Pass
VGA for Windows 98SE (Onboard S3 Twister 4.13.01.3025-13.00.25)	Pass
VGA for Windows 2000P (Onboard S3 Twister 6.13.10.1030.)	Pass
VGA for Windows XP (Onboard S3 Twister 6.13.10.1031.)	Pass
LAN for Linux 8.0 hardware compatible for LAN	Pass
LAN for Windows 98SE (Realtek RTL8139DL 5.505.1004.2002)	Pass
LAN for Windows 2000P (Realtek RTL8139DL 5.505.1004.2002)	Pass
LAN for Windows XP(Realtek RTL8139DL 5.505.1004.2002)	Pass
Sound for Windows 98SE (VIA VT82C686B AC97 Codec 5.12.01.3200)	Pass
Sound for Windows 2000P (VIA VT82C686B AC97 Codec 5.12.1.3200)	Pass
Sound for Windows XP (VIA VT82C686B AC97 Codec 5.1.25350)	Pass