

Workstation / IPC Product Certification Report

Release No : 06P010001

Product Model	AOP-8150WT
Product Description	Socket 478 based Pentium® 4/ Pentium® 4 Processor-M / Celeron® Processors Compact Board With LCD, Ethernet, USB & PCMCIA / Mini PCI
Test Reason	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> System : AOP-8150WT <input checked="" type="checkbox"/> PCB : EMB-852T Rev:A1.0 <input checked="" type="checkbox"/> BIOS: AOP-8150WT BIOS Rev:1.0 (2005/12/30) <input checked="" type="checkbox"/> Chipset <input checked="" type="checkbox"/> CPU Type : Intel ® Celeron ® processor 1.30GHz <input checked="" type="checkbox"/> North Bridge : Intel/RG82852GM/SL6ZK <input checked="" type="checkbox"/> South Bridge : Intel/FW82801DB/L438TC29/SL6DM <input checked="" type="checkbox"/> Audio Chipset : Realtek / ALC655 / 48379K1 / 438D <input checked="" type="checkbox"/> Ethernet Chipset : Realtek 8100S-32 / 44326T2 <input checked="" type="checkbox"/> I/O Chipset : ITE / IT8712F-A / 0449-HXS / MJTRA1

2006-01-10

Wenyuan Yang

AndrewKu

Issue date

Manager

Test Engineer

Test result for certification

Stability Test - Dynamic / Boot Up Burn In Test	Result
Dynamic Burn-In test. (PassMark test at 0°C~50°C for 48hours)	Pass
Dynamic Burn-In test. (Coldstart 50 Times at 0°C for 8hours)	Pass
Dynamic Burn-In test. (Hi Temp.Storage Test at 70°C for 48hours.)	Pass
Dynamic Burn-In test. (Low Temp Storage Test at -20°C for 48hours.)	Pass
Dynamic Burn-In test. (Humidity Test 48 hors.)	Pass
Dynamic Burn-In test. (K/B Reset 20 Times) 110V	Pass
Network HUB/LAN Connects Test	Result
LAN1 HP J4095A 24Ports [100 /10 Mbps]	Pass
LAN1 LEMEL LM-S5 5Ports [100 /10 Mbps]	Pass
LAN1 Acton DeskTop-3005 [100 / 10 Mbps]	Pass
LAN1 D-Link DES-1008 [100 / 10 Mbps]	Pass
CPU Compatible Test	Result
Intel ® Celeron ® processor 1.30GHz (100x13.0)	Pass
Memory Test – DDRRAM	Result
ELPIDA / DD2516AKTA-7A / DDR266 / 128MB	Pass
MOSEL / V58C2256804SAT5B / DDR333 / 512MB	Pass
SAMSUNG / K4H560838C-TCB0 / DDR266 / 256MB	Pass
On Board Audio Function Test	Result
System Sound	Pass
Line Out	Pass
MIC Speaker – Dynamic / Condenser	Pass
MIC Speaker Recorder – Dynamic / Condenser	Pass
Optical Fiber Output	Pass
Riser Card Test (Windows 2000 Professional + SP4)	Result
Maxtor G450 / VC-200203 (VGA Card)	Pass
ATI-Radeon 7500 / IDS-200301 (VGA Card)	Pass
Chaintech / GeForce4 MX-440-8X (VGA Card)	Pass
3COM / 3C905-TX (LAN Card)	Pass
D-Link / DFE-550TX 10/100Mbps (LAN Card)	Pass
Intel SB82559 10/100Mbps (LAN Card)	Pass
D-Link / DFE-530T 10/100/1000Mbps Gigabit	Pass
Creative Sound Blaster Live5.1 / SC-200200 (Sound Card)	Pass
Takram DC-395U V1.02 / 22-200200 (SCSI Card)	Pass
APTEC/ASC-29160 / SS-200201 (SCSI Card)	Pass
Genuine GM56-AMI2019 / MD-007 (Modem Card)	Pass
USB Function Test	Result
CMOS USB Function Enable / Disable	Pass
CMOS USB Keyboard Function Enable / Disable	Pass
CMOS USB Mouse Function Enable / Disable	Pass

I/O Peripheral Test	Result
Primary IDE Master	Pass
Primary IDE Slave	Pass
COM 1	Pass
COM 2 –232	Pass
COM 3	Pass
COM 5	Pass
PS/2 MOUSE	Pass
LPT 1	Pass
USB Ports	Pass
DIO	Pass
Buzzer	Pass
Power LED	Pass
Ext. K/B Connector	Pass
CPU FAN Connector	Pass
LAN LED / Function	Pass
Watchdog	Pass
Card Reader Function	Pass
LCD	Pass
Digital I/O Connector Test	Result
DIO Function Test	Pass
Modular System Industrial Workstation Function Test	Result
AC power outlet / inlet	Pass
Power On / Off	Pass
CD-ROM & Floppy drive included	Pass
Front USB Port	Pass
Mechanism construction check	Result
Panel construction check	Pass
I/O Port connector check	Pass
USB connector check	Pass
Component check	Pass
BIOS Function Test	Result
Standard CMOS Setup Test	Pass
Boot Sequence Test	Pass
APM 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

Operation System Compatible Test	Result`
Linux / RedHat Linux 9.0	Pass
Windows XP Professional English version with SP1(5.1.2600)	Pass
Windows 2000 professional English version with SP4 (5.00.2195)	Pass
DOS and DOS Utility Compatibility Testing	Pass
Performance Test - CPU : Intel ® Celeron 1.30GHz	Result
WinBench 99 V2.0-- Business Graphics WinMark 99	260
WinBench 99 V2.0 -- High-End Graphics WinMark 99	741
WinBench 99 V2.0 – Business Disk WinMark99	4440
WinBench 99 V2.0 – High End Disk WinMark99	15000
Final Reality V1.01 BenchMark Test -- 2D image (DirectX 9.0b / 1024x768x32Bits)	17.53
Final Reality V1.01 BenchMark Test -- 3D (DirectX 9.0b / 1024x768x32Bits)	5.77
Final Reality V1.01 BenchMark Test -- Bus transfer (DirectX 9.0 / 1280x1024x32Bits)	22.96
Final Reality V1.01 BenchMark Test -- Overall (DirectX 9.0b / 1024x768x32Bits)	11.88
3Dmark2001SE Pro-- 3Dmark2001SE Build 330_Benchmark (1024x768x32Bits)	1303
Utility and Driver Test	Result
RedHat Linux 9.0 Hardware compatible list for VGA	(Default driver) Pass
RedHat Linux 9.0 Hardware compatible list for LAN	(Default driver) Pass
RedHat Linux 9.0 Hardware compatible list for Audio	(Default driver) Pass
VGA for Intel ® 82852 / 82855 GM/GME Graphics Ver :6.14.10.3865	Pass
VGA for Intel ® 82852 / 82855 GM/GME Graphics Ver :6.14.10.3865	Pass
LAN1 for Windows 2000P(Intel ® PRO /100VE Network Ver : 8.0.11.0)	Pass
LAN2 for Windows 2000P(Realtek RTL8169/8100F Gigabit Ver :5.616.809.2004)	Pass
LAN1 for Windows XP (Intel ® PRO /100VE Network Ver : 8.0.11.0)	Pass
LAN2 for Windows XP (Realtek RTL8169/8100F Gigabit Ver :5.616.809.2004)	Pass
Sound for Windows 2000P (Realtek AC97 Audio Ver: 5.10.0.5630)	Pass
Sound for Windows XP (Realtek AC97 Audio Ver: 5.10.0.5630)	Pass