

# Workstation / IPC Product Certification Report

Release No : 04P100021

<b>Product Model</b>	<h2 style="margin: 0;">AOP-8150</h2>
<b>Product Description</b>	E-Touch Operator Panel with 15" TFT LCD
<b>Test Reason</b>	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : MPC-6800 Rev : 0.3 <input checked="" type="checkbox"/> BIOS: AOP-8150 BIOS Rev: 1.0 (12/27/2004)  <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: VIA CLE266 + VT8235 <input checked="" type="checkbox"/> Audio Chipset: Realtek ALC 655 AC'97 Audio <input checked="" type="checkbox"/> Ethernet Chipset: Realtek RTL8100BL and RTL-8100C

*2004-12-30*

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**Issue date**

**Manager**

**Test Engineer**

## Test result for certification

<b>Stability Test - Dynamic / Boot Up Burn In Test</b>	<b>Result</b>
Dynamic Burn-In test. (PassMark test at 0°C~50°C for 48hours)	Pass
Dynamic Burn-In test. (Cold start 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
<b>Network HUB/LAN Connects Test</b>	<b>Result</b>
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
<b>CPU Compatible Test</b>	<b>Result</b>
Intel ULV Celeron (R) 650 MHz (100x6.5)	Pass
<b>Memory Test – DDRRAM</b>	<b>Result</b>
ELPIDA / DD2516AKTA-7A / DDR266 / 128MB	Pass
MOSEL / V58C2256804SAT5B / DDR333 / 512MB	Pass
SAMSUNG / K4H560838C-TCB0 / DDR266 / 256MB	Pass
<b>On Board Audio Function Test</b>	<b>Result</b>
System Sound	Pass
Line Out	Pass
MIC Speaker – Dynamic / Condenser	Pass
MIC Speaker Recorder – Dynamic / Condenser	Pass
Optical Fiber Output	Pass
<b>5.1 Channel with S/P DIF Function Test</b>	<b>Result</b>
2-channel mode for stereo speaker output	Pass
S/P DIF In / Out Function Test	Pass
<b>Riser Card Test (Windows 2000 Professional + SP4)</b>	<b>Result</b>
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

<b>USB Function Test</b>	<b>Result</b>
CMOS USB Function Enable / Disable	Pass
CMOS USB Keyboard Function Enable / Disable	Pass
CMOS USB Mouse Function Enable / Disable	Pass
<b>I/O Peripheral Test</b>	<b>Result</b>
Primary IDE Master	Pass
Primary IDE Slave	Pass
COM 1	Pass
COM 2 -232	Pass
COM 3	Pass
COM 5	Pass
COM 6	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
<b>Digital I/O Connector Test</b>	<b>Result</b>
DIO Function Test	Pass
<b>Modular System Industrial Workstation Function Test</b>	<b>Result</b>
AC power outlet / inlet	Pass
Power On / Off	Pass
CD-ROM & Floppy drive included	Pass
Front USB Port	Pass
<b>Mechanism construction check</b>	<b>Result</b>
Panel construction check	Pass
I/O Port connector check	Pass
USB connector check	Pass
Component check	Pass

<b>BIOS Function Test</b>	<b>Result</b>
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
<b>Operation System Compatible Test</b>	<b>Result</b>
Linux / RedHat Linux 9.0	Note <sup>1</sup>
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
<b>Performance Test - Intel ULV Celeron (R) 650 MHz (100x6.5)</b>	<b>Result</b>
WinBench 99 V2.0-- Business Graphics WinMark 99	216
WinBench 99 V2.0 -- High-End Graphics WinMark 99	502
WinBench 99 V2.0 – Business Disk WinMark99	5140
WinBench 99 V2.0 – High End Disk WinMark99	16100
Content Creation Winstone 2004 -- DirectX 9.0b / 1024x768x32Bits	7.3
Final Reality V1.01 BenchMark Test -- 2D image (DirectX 9.0b / 1024x768x32Bits)	6.08
Final Reality V1.01 BenchMark Test -- 3D (DirectX 9.0b / 1024x768x32Bits)	3.57
Final Reality V1.01 BenchMark Test -- Bus transfer (DirectX 9.0 / 1280x1024x32Bits)	7.39
Final Reality V1.01 BenchMark Test -- Overall (DirectX 9.0b / 1024x768x32Bits)	4.90
3Dmark2001SE Pro-- 3Dmark2001SE Build 330_Benchmark (1024x768x32Bits)	1814
<b>Utility and Driver Test</b>	<b>Result</b>
RedHat Linux 9.0 Hardware compatible list for VGA	Default
RedHat Linux 9.0 Hardware compatible list for LAN	Default
RedHat Linux 9.0 Hardware compatible list for Audio	Default
VGA for Windows 2000P (VIA / S3G CLE266 / ver : 6.14.10.57)	Pass
VGA for Windows XP (VIA / S3G CLE266 / ver : 6.14.10.57)	Pass
LAN for Windows 2000P (Realtek RTL8139/810x Family Fast Ethernet NIC / ver : 5.612.413.2004)	Pass
LAN for Windows XP (Realtek RTL8139/810x Family Fast Ethernet NIC / ver : 5.612.413.2004)	Pass
Sound for Windows 2000P (Realtek AC'97 Audio for VIA (R) Audio Controller / ver : 5.10.0.5630 )	Pass
Sound for Windows XP (Realtek AC'97 Audio for VIA (R) Audio Controller / ver : 5.10.0.5630 )	Pass

**Summary OF Result**

**Note**<sup>1</sup> When install RedHat9.0 and System BIOS be selected to LCD as primary display device, LCD will display abnormal.