

# Workstation / IPC Product Certification Report

Release No : 05P010003

<b>Product Model</b>	<b>APC-8122</b>
<b>Product Description</b>	<b>Pentium 4 based robust Panel PC with 12.1" color TFT LCD</b>
<b>Test Reason</b>	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : PCM-8500 Rev:A1.0 <input checked="" type="checkbox"/> BIOS: APC-8122 BIOS REV 0.1 (2004/12/06) <input checked="" type="checkbox"/> PCB : Y009 I/O Board Rev:A0.2 <input checked="" type="checkbox"/> PCB : 1105 Riser Card Rev:1.0 <input checked="" type="checkbox"/> LCD : TFT LCD.12".TOSHIBA.LTD121C30S .800*600.18 Bits TTL  <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"/> North Bridge : Intel® i845GV <input checked="" type="checkbox"/> South Bridge : Intel® FW82801DB <input checked="" type="checkbox"/> Audio Chipset : ALC 650 Codec 6 Channel, AC97 <input checked="" type="checkbox"/> Ethernet Chipset : Intel® GD82551QM <input checked="" type="checkbox"/> I/O Chipset : ITE8712 x 2

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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 60°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 hours.)	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 Accton DeskTop-3005 [ 100 / 10 Mbps ]	Pass
LAN1 D-Link DES-1008 [ 100 / 10 Mbps ]	Pass
<b>CPU Compatible Test</b>	<b>Result</b>
Pentium IV 3.06GHZ / (133x23)	Pass
<b>Memory Test – SO-DIMM / SDRAM</b>	<b>Result</b>
Hynix / HY5DU56822BT-J / DDR333 / 512MB	Pass
<b>On Board Audio Function Test</b>	<b>Result</b>
System Sound	Pass
Play CD_IN	Pass
Play Sound Recorder	Pass
Line Out	Pass
Line In	Pass
Line In Sound Recorder	Pass
MIC Speaker – Dynamic / Condenser	Note <sup>1</sup>
MIC Speaker Recorder – Dynamic / Condenser	Note <sup>1</sup>
Optical Fiber Output	Pass
<b>Riser Card Test (Windows 2000 Professional + SP4)</b>	<b>Result</b>
Maxtor G450 / VC-200203 (VGA Card)	Pass
Chaintech / GeForce4 MX-440-8X (VGA Card)	Pass
D-Link / DFE-530TX 10/100Mbps (LAN Card)	Pass
Intel SB82559 10/100Mbps (LAN Card)	Pass
SYNNEX / SC3000 (Sound Card)	Pass
Genuine GM56-AMI2019 (Modem Card)	Pass
Takram DC-395U V1.02 / 22-200200 (SCSI Card)	Pass
D-Link / DWL-500+ (LAN Card)	Pass
<b>USB Function Test</b>	<b>Result</b>
USB Basic Function under Windows 2000	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 4 ( Touch )	Pass
PS/2 MOUSE	Pass
LPT 1	Pass
USB Ports	Pass
DIO	Pass
Buzzer	Pass
HDD LED	Pass
Power LED	Pass
LCD LED	Pass
ATX Power button	Pass
CPU FAN Connector	Pass
LAN LED / Function	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
Front USB Port	Pass
<b>Mechanism construction check</b>	
Panel construction check	Pass
Case 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
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
<b>Operation System Compatible Test</b>	<b>Result</b>
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
Windows 98SE English version (4.10.2222A)	Pass
<b>Performance Test - Pentium IV 3.06GHZ , SDRAM- 512MB</b>	<b>Result</b>
VeriTest / WinBench99 V2.0	Pass
VeriTest / Multimedia Content Creation Winstone 2004 v10.1	Note <sup>2</sup>
VeriTest / Business Winstone 2004 v1.0.1	Note <sup>2</sup>
VeriTest / 3Dwinbench v1.1	Note <sup>2</sup>
Futuremark / Final Reality v1.01	Pass
Futuremark / 3Dmark2001SE Pro (Demo version)	Note <sup>2</sup>
<b>Utility and Driver Test</b>	<b>Result</b>
VGA for Windows 98SE (Silicon MotinLynx3DM: 9-18-2002)	Pass
VGA for Windows 2000P (Silicon MotinLynx3DM:5/14/2001 5.0.2195.174)	Pass
VGA for Windows XP (Silicon MotinLynx3DM: 5/14/2001 5.0.2195.174)	Pass
LAN for Windows 98SE (Realtek / RTL8139/810x Family Fast Ethernet NIC / Driver: 6-13-2002)	Pass
LAN for Windows 2000P (Realtek/RTL8139/810xFamily Fast Ethernet NIC / Driver: 6/13/2002 5.504.613.2002)	Pass
LAN for Windows XP (Realtek/RTL8139/810xFamily Fast Ethernet NIC / Driver: 6/13/2002 5.504.613.2002)	Pass
Sound for Windows 98SE (VIA AC'97 Audio / VIA VT1612A / 0406CD / Driver:9-12-2002)	Pass
Sound for Windows 2000P (VIA AC'97 Audio / VIA VT1612A / 0406CD / Driver:9/12/2002 5.12.1.3820 )	Pass
Sound for Windows XP (VIA AC'97 Audio / VIA VT1612A / 0406CD / Driver:9/12/2002 5.12.1.3820 )	Pass

### Summary OF Result

**Note<sup>1</sup>** Audio Line-out has noise.

**Note<sup>2</sup>** can't run test program.