

# Workstation / IPC Product Certification Report

Release No : 06P010002

|                            |   |
|----------------------------|---|
| <b>Product Model</b>       | <b>AEC-6900</b>   |
| <b>Product Description</b> | Fan-less system with ULV Celeron 650MHz processor/<br>Support 1/2 PCI and 2 PCMCIA slots/<br>Supports DC 9-30V power input /  |
| <b>Test Reason</b>         | <input checked="" type="checkbox"/> New product<br><input checked="" type="checkbox"/> System: AEC-6900<br><input checked="" type="checkbox"/> PCB: PCM-6892B Rev: A1.0<br><input checked="" type="checkbox"/> BIOS: AEC-6900 BIOS Rev: 1.0 (11/10/2005)<br><br><input checked="" type="checkbox"/> Chipset<br><input checked="" type="checkbox"/> CPU Type: Intel ULV Celeron 650MHz<br><input checked="" type="checkbox"/> North Bridge: VIA VT8606<br><input checked="" type="checkbox"/> South Bridge: VIA VT82C686B<br><input checked="" type="checkbox"/> VGA Chipset: PHASELINK/PLL202-01XC<br><input checked="" type="checkbox"/> Audio Chipset: VIA/VT1612A<br><input checked="" type="checkbox"/> Ethernet Chipset: Realtek 8100BL(Dual LAN) / 45130Q1<br><input checked="" type="checkbox"/> I/O Chipset: VIA VT82C686B+WINBOND W83977EF<br><br><input checked="" type="checkbox"/> Remark: AEC-6900 P5 REPORT |

*2006/2/10*

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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. (-15°C~60 °C)                                 | Pass          |
| Dynamic Burn-In test. (Cold start 50 Times at -20°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          |
| <b>Network HUB / LAN Connects Test</b>                              | <b>Result</b> |
| LAN1 HP J4095A 24Ports [ 100 /10 Mbps ]                             | Pass          |
| LAN2 HP J4095A 24Ports [ 100 /10 Mbps ]                             | Pass          |
| LAN1 LEMEL LM-S5 5Ports [ 100 /10 Mbps ]                            | Pass          |
| LAN2 LEMEL LM-S5 5Ports [ 100 /10 Mbps ]                            | Pass          |
| LAN1 Acton DeskTop-3005 [ 100 / 10 Mbps ]                           | Pass          |
| LAN2 Acton DeskTop-3005 [ 100 / 10 Mbps ]                           | Pass          |
| LAN1 D-Link DES-1008 [ 100 / 10 Mbps ]                              | Pass          |
| LAN2 D-Link DES-1008 [ 100 / 10 Mbps ]                              | Pass          |
| <b>CPU Compatible Test</b>  | <b>Result</b> |
| Intel ULV Celeron 650MHz  | Pass          |
| <b>Memory Test – SO-DIMM / SDRAM</b>                                | <b>Result</b> |
| Hynix/HY57V56820CT-H/PC-133/256MB                                   | Pass          |
| MT/48LC16MB8A2/PC-133/256MB   | Pass          |
| <b>On Board Audio Function Test</b>                                 | <b>Result</b> |
| System Sound  | Pass          |
| Play Sound Recorder   | Pass          |
| Line Out  | Pass          |
| Line In   | Pass          |
| Line In Sound Recorder  | Pass          |
| MIC Speaker – Dynamic / Condenser                                   | Pass          |
| MIC Speaker Recorder – Dynamic / Condenser                          | 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 –232/422/485  | Pass          |
| COM3  | Pass          |
| COM4  | Pass          |
| PS/2 MOUSE  | Pass          |
| USB 1.1 Ports   | Pass          |
| Compact Flash I   | Pass          |
| H/W Reset   | Pass          |
| Buzzer  | Pass          |

|  |               |
|--|---------------|
| HDD LED  | Pass          |
| Power LED  | Pass          |
| Ext. K/B Connector   | Pass          |
| Watchdog   | Pass          |
| Card bus   | Pass          |
| PCI slot   | 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>  |               |
| Case construction check  | Pass          |
| PCMCIA construction check  | Pass          |
| I/O Port connector check   | Pass          |
| USB connector check  | Pass          |
| <b>IDE Cable Function test</b>   |               |
| Cable Function Test under Windows 2000   | Pass          |
| <b>BIOS Function Test</b>  |               |
|  | <b>Result</b> |
| Standard CMOS Setup Test   | Pass          |
| Boot Sequence 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          |
| <b>Performance Test - Celeron M 1.3GHz</b>   |               |
|  | <b>Result</b> |
| VeriTest / WinBench99 V2.0   | Pass          |
| VeriTest / Multimedia Content Creation Winstone 2004 v1.0.1  | Pass          |
| Futuremark / Final Reality v1.01   | Pass          |
| Futuremark / 3Dmark2001SE Pro (Demo version)   | Pass          |
| <b>Utility and Driver Test</b>   |               |
|  | <b>Result</b> |
| VGA for Windows 2000P (S3 Graphics Twister / Driver Version 6.13.10.1030)  | Pass          |
| VGA for Windows XP S3 Graphics Twister / Driver Version 6.13.10.1030   | Pass          |
| LAN for Windows 2000P Realtek RTL8139/810X Family PCI Fast Ethernet NIC<br>Driver Version 5.612.413.2004 & 4/13/2004 | Pass          |
| LAN for Windows XP Realtek RTL8139/810X Family PCI Fast Ethernet NIC<br>Driver Version 5.612.413.2004 & 4/13/2004    | Pass          |
| Sound for Windows 2000P VIA AC'97 Audio Controller [WDM] Driver Version<br>5.12.1.3200                               | Pass          |
| Sound for Windows XP VIA AC'97 Audio Controller [WDM] Driver Version<br>5.12.1.3200                                  | Pass          |

| Power Consumption Test |                                 |   |
|------------------------|---------------------------------|---|
|                        | EDAC/EA1050 A-120/DC output 12V |   |
|                        | Intel ULV Celeron 650MHz        |   |
| Normal Mode (+12V)     | 1.66                            | A |