

Workstation / IPC Product Certification Report

Release No : 05P010005

Product Model	AEC-6850
Product Description	Embedded Control PC
Test Reason	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB: GENE-8310 Rev0.3 <input checked="" type="checkbox"/> BIOS: AEC-6850 BIOS Rev.1.0(03/10/2005) <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 82852GM(E) <input checked="" type="checkbox"/> South Bridge: Intel ICH4 / FW82801DB / F403IA40 / SL6DM <input checked="" type="checkbox"/> Audio Chipset: Realtek ALC655 / 3B190T1 / 348D <input checked="" type="checkbox"/> Ethernet Chipset: Intel / DA82562ET <input checked="" type="checkbox"/> I/O Chipset: ITE / IT8712F-A <input checked="" type="checkbox"/> TV Chipset: CHRONTEL / CH70009A-T

2005-08-03

Wenyuan Yang

Andrew Ku

Issue date

Manager

Test Engineer

Test result for certification

Stability Test - Dynamic / Boot Up Burn In Test	Result
Dynamic Burn-In test. (Pass Mark test at 0°C~45°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 50°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
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 M 1.3GHz	Pass
Memory Test – SO-DIMM / SDRAM	Result
Kingston / KVR333X64SC25/256/ SODDR333 / 512MB	Pass
NANYA / NT5DS64M8AF-75B / SODDR266 / 1GB	Pass
ELPIDA / DD2516AKTA-6B / SODDR333 /256MB	Pass
On Board Audio Function Test	Result
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	Pass
MIC Speaker Recorder – Dynamic / Condenser	Pass
USB Function Test	Result
USB Basic Function under Windows 2000	Pass
I/O Peripheral Test	Result
Primary IDE Master	Pass
Primary IDE Slave	Pass
COM 1	Pass
COM 2 –232	Pass
PS/2 MOUSE	Pass
USB Ports	Pass
H/W Reset	Pass
Buzzer	Pass
HDD LED	Pass
Power LED	Pass
Ext. K/B Connector	Pass
LAN LED / Function	Pass
Watchdog	Pass

Card Reader Function	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	
I/O Port connector check	Pass
USB connector check	Pass
IDE Cable Function test	
Cable Function Test under Windows 2000	Pass
BIOS Function Test	Result
Standard CMOS Setup Test	Pass
Boot Sequence Test	Pass
APM Power manager test	Pass
ACPI Power manager test	Pass
Wake Up Event Test	Pass
CMOS backup Test	Pass
Boot ROM Test	Pass
COM 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 - Celeron M 1.3GHz	Result
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
Utility and Driver Test	Result
VGA for Windows 2000P (Intel 82852/82855GM/GE Graphics Ver: 6.14.10.4020)	Pass
VGA for Windows XP (Intel 82852/82855GM/GE Graphics Ver: 6.14.10.4020)	Pass
LAN for Windows 2000P (Intel PRO/100VE Network connection Ver : 7.1.12.0)	Pass
LAN for Windows XP (Intel PRO/100VE Network connection Ver : 7.1.12.0)	Pass
Sound for Windows 2000P (Realtek AC'97 Audio Ver: 5.10.0.5630)	Pass
Sound for Windows XP (Realtek AC'97 Audio Ver: 5.10.0.5630)	Pass