

Workstation / IPC Product Certification Report

Release No : 04P010035

Product Model	AEC-6830
Product Description	Fan-less system With Ethernet / Audio / CFD / 2COMs / 4USBs / TV-OUT or DVI
Test Reason	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB: GENE-6350 Rev.A0.3 <input checked="" type="checkbox"/> BIOS: GENE-6350 BIOS Rev: 1.1 AT Power TV-Out(9/1/2004) GENE-6350 BIOS Rev: 1.1 AT Power DVI (9/1/2004) <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 CLE 266 + VIA VT8235 / <input checked="" type="checkbox"/> Audio Chipset : Realtek ALC650 <input checked="" type="checkbox"/> Ethernet Chipset : Realtek RTL 8100BL <input checked="" type="checkbox"/> I/O Chipset : Winbond W83697UF

2004-12-23

Wenyuan Yang

Milo Wang

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 ~50 for 48hours)	Pass
Dynamic Burn-In test. (Coldstart 50 Times at 0 for 8hours)	Pass
Dynamic Burn-In test. (Hi Temp.Storage Test at 70 for 48hours.)	Pass
Dynamic Burn-In test. (Low Temp Storage Test at -20 for 48hours.)	Pass
Dynamic Burn-In test. (Humidity Test 48 hors.)	Pass
Dynamic Burn-In test. (K/B Reset 20 Times) 220V	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 Accton DeskTop-3005 [100 / 10 Mbps]	Pass
LAN1 D-Link DES-1008 [100 / 10 Mbps]	Pass
CPU Compatible Test	Result
Intel ULV Celeron 650MHZ	Pass
Memory Test – SO-DIMM / DDRAM	Result
Hynix / HY5DU12822AT-N DDR-266 / 512MB	Pass
ELPIDA / DD22516AXTA-6B / DDR-266 / 256MB	Pass
On Board Audio Function Test	Result
System Sound	Pass
Play Sound Recorder	Note ¹
Line Out	Pass
Line In	Pass
Line In Sound Recorder	Pass
MIC Speaker – Dynamic / Condenser	Note ¹
MIC Speaker Recorder – Dynamic / Condenser	Note ¹
USB Function Test	Result
USB Basic Function under Windows 2000	Pass
I/O Peripheral Test	Result
Primary IDE Master	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

Modular System Industrial Workstation Function Test	Result
Adapter outlet / inlet	Pass
Power On / Off	Pass
Mechanism construction check	Result
Case 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
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	Note ²
Windows XP Professional English version with SP1(5.1.2600)	Note ³
Windows 2000 professional English version with SP4 (5.00.2195)	Pass
Windows 98SE English version (4.10.2222A)	Pass
DOS and DOS Utility Compatibility Testing	Pass
Performance Test – Intel ULV Celeron-650 MHZ CPU	Result
WinBench99 V2.0 / Bussiness Disk WinMark99	3490
WinBench99 V2.0 / Bussiness Graphics WinMark99	108
WinBench99 V2.0 / High-End Disk WinMark99	11400
WinBench99 V2.0 / High-End Graphics WinMark99	349
Final Reality v1.01 / 2D image	3.87
Final Reality v1.01 / 3D	3.96
Final Reality v1.01 / Bus transfer	3.38
Final Reality v1.01 / Overall	3.85
3D WinBench 2000 V1.1 / 3D WinMark 2000	14.5
3D Mark2001SE Pro (Demo version)	433
Utility and Driver Test	Result
VGA for Windows 98SE (VIA/S3G CLE266 5/13/2003 4.14.10.0013-16)	Pass
VGA for Windows XP (VIA/S3G CLE266 11/6/2003 6.14.10.86)	Pass
VGA for Windows 2000P (VIA/S3G CLE266 11/6/2003 6.14.10.86)	Pass
LAN for Windows 98SE (Realtek RTL8100BL 12/31/2003 5.611.1231.2003)	Pass
LAN for Windows XP (Realtek RTL8100BL 12/31/2003 5.611.1231.2003)	Pass
LAN for Windows 2000P (Realtek RTL8100BL 12/31/2003 5.611.1231.2003)	Pass

Audio for Windows 98SE (VIA AC97 Enhanced Audio Controller 8/26/2004 6.14.01.3890)	Pass
Audio for Windows XP (VIA AC97 Enhanced Audio Controller 10/20/2003 6.14.1.3890)	Pass
Audio for Windows 2000P (VIA AC97 Enhanced Audio Controller 6.14.1.3890)	Pass

Summary Of Result

- Note¹ The output voice is very tenuous when using MIC(Dynamic) to amplify or record voice signal.
- Note² Under O.S Linux9.0, it can't record voice successfully when using Linux's AP(sound recorder function).
- Note³ When turn off the computer under WINXP, the screen didn't show "It's now safe to turn off your computer" on screen.