

Product Certification Report

Release No : 03E010159

Product Model	GENE-6330-A03
Product Description	AIO SubCompact Board.TM5400 600CPU.W/LAN,Audio,LCD,CF,64MB.PCMCIA.Rev.A0.3
Test Reason	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : <input checked="" type="checkbox"/> BIOS: <input type="checkbox"/> Renew product <input type="checkbox"/> PCB : GENE-6330 Rev:A0.2 <input type="checkbox"/> BIOS: GENE-6330 BIOS Rev:1.2 (6/26/2003) <input type="checkbox"/> Revision change <input type="checkbox"/> PCB : <input type="checkbox"/> BIOS: <input type="checkbox"/> Component:

2003-07-01

Wayne Chen

Batty Ko

Issue date

A.V.P.

Test Engineer

Test result for certification

Stability Test - Dynamic / Boot_UP Burn_In Test	Result
Dynamic Burn-In test. (Qaplusfe 5.5 Operating at 0 ~60 for 48hours)	Pass
Dynamic Burn-In test. (Power On/Off Operating at 0 ~60 for 24hours)	Pass
Audio Play For Sound Codec Chipset Burn-In Test .(Operating at 0 & 60 for 2hours)	Pass
LAN Chipset Burn_In Test. (Operating at 0 & 60 for 2hours)	Pass
Boot_Up Burn_In Test .(Operating at Room Temp.)	Pass
Timer Accuracy Test	Result
System clock accuracy of +/-5 sec per day.	Pass
RTC timer accuracy of +/-3 sec per day.	Pass
Watchdog timer accuracy of +/-20 % per sec/ min.	Pass
Margin Test – Power Consumption – TM5400 600MHz, Onboard SDRAM 64MB for AT	Result
Electrical characteristics – Normal Mode(+5V)	2.19 A
Electrical characteristics – Standby Mode(+5V)	1.01 A
Electrical characteristics – Normal Mode(+12V)	0.01 A
Electrical characteristics – Standby Mode(+12V)	0.01 A
Margin Test – Power Consumption – TM5400 600MHz, Onboard SDRAM 64MB for ATX	Result
Electrical characteristics – Normal Mode(+3.3V)	0.01 A
Electrical characteristics – Standby Mode(+3.3V)	0 A
Electrical characteristics – Normal Mode(+5V)	2.01 A
Electrical characteristics – Standby Mode(+5V)	0.89 A
Electrical characteristics – Normal Mode(+12V)	0 A
Electrical characteristics – Standby Mode(+12V)	0 A
Power VCC 4.75V to 5.25V Margin test .	Pass
Power Connector Test – AT Power To ATX Motherboard	Pass
Network HUB / LAN Connects Test	Result
LAN1 HP J4095A 24Ports [100 /10 Mbps]	Pass
LAN1 D-Link DES-1008 [100 / 10 Mbps]	Pass
LAN1 Intel InBusiness 8 Ports [100 / 10 Mbps]	Pass
LAN1 LEMEL LM-S5 5 Ports [100 / 10 Mbps]	Pass
LAN1 Accton DeskTop-3005 [100 / 10 Mbps]	Pass
LAN1 SVEC FD916H [10 Mbps]	Pass
Touch Screen for serial Ports Test	Result
COM 1 Serial Port	Pass
COM 2 Serial Port	Pass
COM 3 Serial Port	Pass
COM 4 Serial Port	Pass
CPU Compatible Test	Result
TM5400 600MHz	Pass

Memory Test – SDRAM PC-133/100	Result
Infineon / HYB39S128800CT-75 / PC133 / 128MB	Pass
NANYA / NT56V6620C0T-75 / PC-133 / 64MB	Pass
Hitachi / HB52F328DC-75B / PC-133 / 256MB	Pass
NEC / D45128163G5-A80-9JF / PC-100 / 128MB	Pass
SAMSUNG / K4S560832B-TC75 / PC-133 / 256MB	Pass
NEC / D4564163G5-A10-9JF / PC-100 / 32MB	Pass
Transcend / V54C3128804VAB7P187043CGAUB / PC-133 / 256MB	Pass
ELPIDA / D45128163G5-A75-9JF / PC-133 / 128MB	Pass
MT / 4LSDT864HG-10EB1 / PC-100 / 64MB	Pass
Hitachi / HB52RF648DC -75B / PC-133 / 512MB	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
HDD Compatible Test	Result
IBM DTLA-307075 / 76.8GB / ATA100	Pass
IBM IC35L180AVV207-1 / 185.2GB / ATA100	Pass
Maxtor 4G160J8 / 160GB / ATA133	Pass
Seagate ST340016A / 40GB / ATA100	Pass
Seagate ST380021A / 80GB / ATA100	Pass
WESTERN WD400EB-00CPF0 / 40GB / ATA100	Pass
CDROM / DVDROM Test	Result
NEC C&C-BCD F561B / 52X	Pass
ASUS CD-S520/A / 52X	Pass
TEAC CD-540E / 40X	Pass
GENUINE GC-952B / 52X	Pass
CREATIVE CD5220E / 52X	Pass
4KUS CCD-52X60 / 52X	Pass
Acer 656A-074 / 56X	Pass
Aopen CD-952E / 52X	Pass
AFREEY CD-2050E / 50X	Pass
BENQ 652A-674/ 52X	Pass
LEMEL LCD-5200S-563 / 52X	Pass

USB Compatible Test	Result
CMOS Setting Test	Pass
CyberLink Power DVD XP4.0 Remote control	Pass
Acer 6406EU-122 CD-ROM	Pass
HP SJ4200C Scanner	Pass
HP Photo Smart P1000 Print	Pass
IOMEGA ZIP 100MB	Pass
D-Link DSB-H4/ DU-H4 HUB	Pass
MITSUMI FLL3.5 D353GUE/FUE	Pass
Floppy Disk Controller Test	Result
Copy and Compare file between C : and A/B	Pass
Format A/B with system transfer and boot PC from floppy	Pass
Change CMOS Floppy is NONE value	Pass
SWAP FDD	Pass
Peripheral Storage Device Compatible test	Result
IOMEGA ZIP100M (Parallel Type)	Pass
IOMEGA ZIP100M (IDE Type)	Pass
LS-120 / LKM-F930-1 (IDE Type)	Pass
Compact Flash	Pass
On Board I / O Function Test	Result
COM Port Send-Receive Test	Pass
Disk On Module [DOM] Compatibility Test	Result
DOM-064-426P /Rev.A2A11 / IDE 44 Pin	Pass
BIOS Function Test	Result
Standard CMOS Setup Test	Pass
Boot Sequence Test	Pass
APM Power manager test	Pass
ACPI Power manager test	Pass
Power On Function test	Pass
Wake Up Event Test	Pass
CMOS backup 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
Performance Test – CPU TM5400 600MHz , Onboard SDRAM 64MB	Result
LandMark Speed 2.0 – CPU	2768
LandMark Speed 2.0 – FPU	6221.77
LandMark Speed 2.0 – VIDEO	10031.00
WinBench 99 V1.1- CPU mark99	30.2
WinBench 99 V1.1- FPU winmark	1730
WinBench 99 V1.1- Business Graphic winmark99	51

WinBench 99 V1.1- High_end Graphic winmark99	247
Final Reality V1.01 BenchMark Test – 2D image	4.03
Final Reality V1.01 BenchMark Test – 3D	0.5
Final Reality V1.01 BenchMark Test – Bus transfer	2.89
Final Reality V1.01 BenchMark Test – Overall	1.92
3D WinBenech 2000 v1.0 with DirectX7 and 1024x768x16Bits-Processor Test	0.458
Content Creation Winstone 2000 V1.0 – C.C.Winstone 2000	13.9
WinStone 99 V1.1 – Business winstone99	10.3
Operation System Compatible Test	Result
Linux Red Hat 7.3	Pass
Windows 98SE English / Chinese version:4.10.2222A	Pass
Windows ME English / Chinese version:4.90.3000	Pass
Windows NT workstation 4.0 English version with service pack 6	Pass
Windows NT server 4.0 English version:4.00.1381	Pass
Windows NT server 4.0 Chinese (Simplified character) version:4.00.1381	Pass
Windows 2000 professional English version:5.00.2195	Pass
Windows 2000 Server Chinese (Simplified character) version:5.00.2195	Pass
Windows XP Professional English version:5.01.2462	Pass
Windows XP Home Edition Chinese version:5.01.2462	Pass
DOS and DOS Utility Compatibility Testing	Pass
Utility and Driver Test	Result
Red hat Linux 7.3 hardware compatible list for VGA	Pass
Red hat Linux 7.3 hardware compatible list for LAN	Pass
Red hat Linux 7.3 hardware compatible list for Audio	Pass
VGA for Windows 98SE (Silicon Motion LynxEM+:4.13.01.0074.)	Pass
VGA for Windows ME (Silicon Motion LynxEM+:4.13.01.0069.)	Pass
VGA for Windows NT 4.0	Pass
VGA for Windows 2000P (Silicon Motion LynxEM+:5.00.2195.0174.)	Pass
VGA for Windows XP (Silicon Motion LynxEM+:5.1.2001.0.)	Pass
LAN for Windows 98SE (Realtek RTL8139D 5.397.0823.2001.)	Pass
LAN for Windows ME (Realtek RTL8139 D 5.505.1004.2002.)	Pass
LAN for Windows NT 4.0	Pass
LAN for Windows 2000P (Realtek RTL8139 D 5.397.0823.2001.)	Pass
LAN for Windows XP (Realtek RTL8139 D 5.396.530.2001.)	Pass
Sound for Windows 98SE (VIA VT82C686B AC97 Codec 5.12.01.3811.)	Pass
Sound for Windows ME (VIA VT82C686B AC97 Codec 5.12.01.3811.)	Pass
Sound for Windows NT 4.0	Pass
Sound for Windows 2000P (VIA VT82C686B AC97 Codec 5.12.01.3811.)	Pass
Sound for Windows XP (VIA VT82C686B AC97 Codec 5.1.2535.0.)	Pass
LCD Monitor Function Test	Result
CRT+LCD – Dual Display Function Test	Pass
Samsung / LT150X1-151 / TFT / 15"	Pass

Miscellaneous Test	Result
Windows 98 Power manager test	Pass
Windows 2000 Power manager test	Pass
H/W Reset	Pass
Ext. Speaker	Pass
On board buzzer	Pass
HDD LED	Pass
Power LED	Pass
Ext. KB connector	Pass
Watchdog – reset	Pass
Watchdog – IRQ 15	Pass
Watchdog – Software Programming	Pass
Disable watchdog	Pass
ATX power button	Pass
CPU FAN connector	Pass
COM1	Pass
COM2	Pass
COM2-RS-422	Pass
COM2-RS-485	Pass
LPT1	Pass
PS2 Keyboard / Mouse	Pass
SIR / 115K bps	Pass
LCD Display Function Test	Pass