

Product Certification Report

Report No: Gene-6310-R-01

Product Model	Gene-6310
Product description	VIA C3, Subcompact Board, with LCD Ethernet, Audio, 4USB Ports, & 2 COM Ports, TV
Test reason	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : Gene-6310 Rev:A0.3 <input checked="" type="checkbox"/> BIOS: Gene-6310 BIOS Rev:0.8 (03/19/2002) <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:

2002-03-29

Issue date

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Test result for certification

Stability Test - Dynamic / Boot_UP Burn_In Test	Result
Dynamic Burn-In test. (Operating at -20 ~80 for 48Hours)	Pass
Audio Play For Sound Codec Chipset Burn-In Test . (Operating at -20 ~80 for 2Hours)	Pass
LAN Chipset Burn_In Test. (Operating at -20 and 80 for 2hours)	Pass
Boot_Up Burn_In Test . (Operating at 0 and 60 for 24hours)	Pass
Boot_Up Burn_In Test .(Operating at Room Temperature for 24hours)	Pass
Windows HCT 7.2 system stress test. (Operating at Room Temperature for 8hours)	Pass
Timer Accuracy Test	Result
RTC timer accuracy of +/-3 sec per day.	Pass
System clock accuracy of +/-5 sec per day.	Pass
Watchdog timer accuracy of +/-1 sec per minute.	Pass
Margin Test – Power Consumption – VIA C3 667 , SDRAM 256MB	Result
Power VCC 4.75V to 5.25V Margin test .	Pass
Power Connector Test – ATX Power Chang To AT Power	Pass
Electrical characteristics – Normal Mode(+5V)	2.38A
Electrical characteristics -- Standby Mode(+5V)	1.45A
Electrical characteristics – Normal Mode(+12V)	0.00A
Electrical characteristics -- Standby Mode(+12V)	0.00A
BIOS Function Test	Result
Y2K Test	Pass
Standard CMOS Setup Test	Pass
APM Power manager 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
Operation System Compatible Test	Result
Windows XP Professional English version	Pass
Windows 98SE English version	Pass
Windows NT workstation 4.0 English version with service pack 6	Pass
Windows NT server 4.0 English version	Pass
Windows 2000 professional English version	Pass
DOS and DOS Utility Compatibility Testing	Pass
Performance Test – CPU VIA C3 667 MHz , DRAM 256MB	Result
LandMark Speed 2.0 – CPU	2997
LandMark Speed 2.0 – FPU	1734
LandMark Speed 2.0 – VIDEO	27306
QAPLUS 5.4/PM – Data Transfer Rate	10093
WinStone 99 V1.2 – High_end winstone99	19.2

WinStone 99 V1.2 – Business winstone99	29
WinBench 99 V1.1- High_end Graphic winmark99	553
WinBench 99 V1.1- Business Graphic winmark99	192
WinBench 99 V1.1- FPU winmark	1290
WinBench 99 V1.1- CPU mark99	33.5
Final Reality V1.01 BenchMark Test – 2D image	2.74
Final Reality V1.01 BenchMark Test – 3D	2.90
Final Reality V1.01 BenchMark Test – Bus transfer	1.39
Final Reality V1.01 BenchMark Test – Overall	2.63
3D WinBenech 2000 v1.0 with DirectX7 and 1024x768x16Bits-Processor Test	0.533
Content Creation Winstone 2000 V1.0 – C.C.Winstone 2000	16.5
Utility and Driver Test	Result
VGA for Windows XP professional S3 Graphics Twister 6.13.10.1031	Pass
VGA for Windows 98SE S3 Graphics Twister 4.13.01.3025-13.00.25	Pass
VGA for Windows 2000 professional S3 Graphics Twister Not Present	Pass
VGA for Windows NT 4.0 (Onboard S3 Graphics Twister 4.1024.1310.0002, 4.0.0.)	Pass
LAN for Windows XP professional Realtek RTL8139/810X Family PCI Fast Ethernet NIC 5.396.530.2001	Pass
LAN for Windows 98SE Realtek RTL8139/810X Family PCI Fast Ethernet NIC 4.10.2222	Pass
LAN for Windows2000 professional Realtek RTL8139/810X Family PCI Fast Ethernet NIC 5.366.0808.1999	Pass
LAN for Windows NT 4.0 (Realtek RTL8139/810X Family PCI Fast Ethernet Adapter)	Pass
Sound for Windows XP professional VIA AC'97 Audio Contrpller (WDM) 5.1.2535.0	Pass
Sound for Windows 98SE VIA AC'97 Audio Contrpller (WDM) 4.05.1111 built by : WinDDK	Pass
Sound for Windows2000 professional VIA AC'97 Audio Contrpller (WDM) 5.00.2189.1	Pass
Sound for Windows NT 4.0 (VIA VT82C686B AC' 97 Codec)	Pass
Memory Test – SODIMM PC-133/100	Result
HITACHI / 5225165BTT75 / PC-133 / 256MB	Pass
INFINEON / HYB39S128800CT-75 / PC-133 / 128MB	Pass
NEC / D45128163G5-A80-9JF / PC-100 / 128MB	Pass
SIEMENS / HYB39S64160AT-8/PC-100 / 64MB	Pass
NEC / D4564163G5-A10-9JF/PC-100 / 64MB	Pass
CPU Compatible Test	Result
VIA C3 667 MHz (133 FSB x6.0)	Pass
HDD Compatible Test	Result
IBM DTLA-307075 / 76.8GB / ATA100	Pass
IBM DTLA-307045 / 46.1GB / ATA100	Pass
IBM DHEA-34330 / 4.3GB / ATA33	Pass
Maxtor 54610H6 / 46.1GB / ATA100	Pass

Maxtor 54098U8 / 40.9GB / ATA66	Pass
Maxtor 51536U3 / 15.3GB / ATA66	Pass
Seagate ST315320A / 15.3GB / ATA66	Pass
Quantum QMP30000AS-A / 30GB / ATA100	Pass
Quantum K13600AT / 13GB / ATA66	Pass
IBM DTLA-3070 / 30.7GB / ATA100	Pass
Fujitsu MPE 3136AH / 13.6GB / ATA66	Pass
Fujitsu MPC3043AT-E / 4.3GB / ATA-33	Pass
Fujitsu MPG3204AH / 20.4GB / ATA-100	Pass
CDROM / DVDROM Test	Result
NEC C&C-BCD F561B / 52X	Pass
ASUS CD-S500/A / 50X	Pass
TEAC CD-540E / 40X	Pass
TEAC CD-532E / 32X	Pass
SONY CDU4811-81 / 48X	Pass
CREATIVE CD5220E / 52X	Pass
CREATIVE DVD1240E / 12X / DVD-ROM	Pass
PIONEER ATAPI DVD-A03S / 6X / DVD-ROM	Pass
Acer DVP 1640A /16X /DVD-ROM	Pass
MITSUMI CRMC-FX4824T / 48X	Pass
AFREEY CD-2050E / 50X	Pass
Acer 6406EU-22 / 4W6R / USB-CDROM	Pass
Network HUB / LAN Function Test	Result
HP J4095A 24Ports [100 /10 Mbps]	Pass
D-Link DES-1008 [100 / 10 Mbps]	Pass
Intel InBusiness 8 Ports [100 / 10 Mbps]	Pass
LEMEL LM-S5 5 Ports [100 / 10 Mbps]	Pass
Accton DeskTop-3005 [100 / 10 Mbps]	Pass
SVEC FD916H [10 Mbps]	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
On Board I / O Function Test	Result
COM Port Send-Receive Test	Pass
CheckIt 7.0 Portable Edition Test	Pass
LCD Monitor	Result

Samsung / LTM150XS-T01 / TFT / 15"	Pass
NEC / NL8060AC31-12 / TFT 12.1"	Pass
LVDS Monitor	Result
HYUNDAI HT12X11-200-EBB LVDS TFT LCD 1024*768 18bit	Pass
Touch Screen LCD for serial Ports Test	Result
COM 1 Serial Port	Pass
COM 2 Serial Port	Pass
Industry Control Adapter Card Compatible Test-PC104/PC104Plus	Result
AAEON PCM-3708 / ATI VGA Mode Module	Pass
AAEON PCM-3730 / Intel 82559 LAN Module / PC104 Plus	Pass
Function Test	Result
On board LAN with 100 feet cable length	Pass
On board VGA function	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
Photo Smart P1000 Printer (LPT Type)	Pass
33.6 HIGH SPEED MODEM (RS-232)	Pass
Peripheral Input Device Compatible test	Result
BTC 7932 Keyboard (USB)	Pass
Logitech M-BB48 Mouse (USB)	Pass
HP SJ4200C Scanner (USB)	Pass
HP Photo Smart P1000 Printer (USB)	Pass
Tekcam P35U Camera (USB)	Pass
IOMEGA ZIP100MB (USB)	Pass
D-Link DU-E10 Ethernet Adapter (USB)	Pass
D-Link DSB-H4/DU-H4 HUB (USB)	Pass
MITSUMI / FLL 3.5 D353GUE/FUE / USB-Floppy	Pass
Acer 6406EU-22 / 4W6R / USB-CDROM	Pass
Microsoft Serial Mouse	Pass
Logitech Mouse Man	Pass
Adam RS-485 (COM2)	Pass
Miscellaneous Test	Result
Windows 98 Power manager test	Pass
Windows 2000 Power manager test	Pass
Floppy Disk Controller	Pass
H/W Reset	Pass
Ext. Speaker	Pass
On board buzzer	Pass
HDD LED	Pass
Power LED	Pass

LAN LED	Pass
Ext. KB connector	Pass
Watchdog – reset	Pass
Watchdog – IRQ 15	Pass
CPU FAN connector	Pass
Primary IDE Master	Pass
Primary IDE Slave	Pass
Secondary IDE Master	Pass
COM1	Pass
COM2	Pass
COM2-RS-422	Pass
COM2-RS-485	Pass
LPT1	Pass
PS2 Keyboard / Mouse	Pass
USB Port1 - Enabled / Disabled Mode Function	Pass
USB Port 2 - Enabled / Disabled Mode Function	Pass
SIR / 115K bps	Pass
Compact flash solid state disk / TYPE1	Pass
TV-out /AV & S Output	Pass