

Product Certification Report

Report No : 04E100058

Product Model	GENE-6350-A1.0
Product Description	Intel ULV Celeron SubCompact Board With LCD / Ethernet / Audio / CFD /Mini PCI / 4COMs / 4USBs / TV-OUT or DVI
Test Reason	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : GENE-6350 Rev:A1.0 <input checked="" type="checkbox"/> BIOS : GENE-6350 BIOS Rev:1.1 (10/01/2004) <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"/> Chipset : North Bridge : VIA CLE 266 South Bridge : 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 <input checked="" type="checkbox"/> Remark :SAP (BIOS:1.1)

2004-10-07
Issue date

Wenyuan Yang
Manager

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Test Result for Certification

Platform Information	
PCB Model & Version	GENE-6350 A1.0 (TV)
BIOS Version	1.1 (10/01/2004)
CPU Type & FSB	Intel ULV Celeron 400 MHZ (100*4.0)
Operation System	Windows 2000 Professional English Version / 5.00.2195 + SP4
Memory Type	ELPIDA DD2516AKTA-6B / DDR333 / 256MB
Primary IDE Master	Hitachi HDS722540VLAT20 / 41.1GB
Primary IDE Slave	SONY CDU4811 / 48X
Power Supply Type	AT Power Type: ZIPPY SP2-440F / 400W
Operation System Compatible Test	
Windows 98SE English Version /4.10.2222A	Pass
Windows XP Professional English Version / 2002 + SP1	Note ¹
Windows 2000 Professional English Version / 5.00.2195 + SP4	Pass
Utility and Driver Test	
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
Memory Test (Windows 2000+SP4+HCT 9.5)	
ELPIDA DD2516AKTA-6B / DDR333 / 256MB	Pass
LCD/CRT/TV Function Test (Windows 2000+SP4)	
CRT	Pass
LCD	Pass
CRT+LCD	Pass
CRT+TV	Pass
BIOS Function Test (Windows 2000 + SP4)	
Standard CMOS Setup Test	Pass
Boot Sequence Test	Pass
APM Power Manager Test	Pass
CMOS Backup / Clear CMOS Test	Pass
Boot ROM Test (RPL/PXE)	Pass
User Password Test	Pass
TV S Port Standard Function Test – NTSC	Pass
TV AV Port Standard Function Test ---NTSC	Pass
TV AV Port Standard Function Test ---PAL	Pass
Init Display First Function Test	Pass
Voltage Monitor Test	Pass
FAN Speed Monitor Test	Pass

Temperature Monitor Test	Pass
Swap Floppy Drive & Boot up Floppy Seek Function Test	Pass
USB Onboard Device Function Test	Pass
COM Address / IRQ Test (BIOS Default)	Pass
LPT Address / IRQ Test (BIOS Default)	Pass
BIOS Awdflash Program Test	Pass
I/O Peripheral Function Test – I/O Function	Result
Floppy Connector / Driver A: & B:	Pass
Primary IDE Master / Slave	Pass
Compact Flash-Type / Type	Pass
COM1	Pass
COM2-232	Pass
COM3	Pass
COM4	Pass
Clear CMOS	Pass
PS/2 Mouse & Keyboard	Pass
LPT1	Pass
USB 1 & 2 Ports	Pass
USB 3 & 4 Ports	Pass
USB 2.0 1 & 2 Ports	Pass
USB 2.0 3 & 4 Ports	Pass
TV-OUT / AV Output – NTSC	Pass
TV-OUT / S Output – NTSC	Pass
TV-OUT / AV Output – PAL	Pass
Watchdog Software Control	Pass
I/O Peripheral Function Test – Front Panel & Function	Result
Power / IDE LED	Pass
External Buzzer	Pass
On Board Buzzer	Pass
Reset Switch	Pass
Ext. K/B Connector	Pass
CPU FAN Connector	Pass
I/O Peripheral Function Test – Power Connector & Function	Result
4P Power Connector	Pass
I/O Peripheral Function Test – LAN Connector & Function	Result
LAN Active LED	Pass
LAN Link LED	Pass
LAN 10/100 Ethernet	Pass
Performance Test – Intel ULV Celeron 400 MHZ, DDR 256MB	Result
WinBench 99 V1.1-- CPUmark 99	36.3
WinBench 99 V1.1-- FPU WinMark	2180
WinBench 99 V1.1-- Business Graphics WinMark 99	116+
WinBench 99 V1.1 -- High-End Graphics WinMark 99	264
WinBench 99 V1.1 – Business Disk WinMark99	5090

WinBench 99 V1.1 – High End Disk WinMark99	19400
3D WinBench 2000 V1.0 Processor Test -- DirectX 9.0B / 1024x768x16Bits	0.814
Content Creation Winstone 2001 -- DirectX 9.0B / 1024x768x16Bits	24.9
Final Reality V1.01 BenchMark Test -- 2D image (DirectX 9.0B / 1024x768x16Bits)	2.71
Final Reality V1.01 BenchMark Test -- 3D (DirectX 9.0B / 1024x768x16Bits)	2.98
Final Reality V1.01 BenchMark Test -- Bus transfer (DirectX 9.0B / 1024x768x16Bits)	3.10
Final Reality V1.01 BenchMark Test -- Overall (DirectX 9.0B / 1024x768x16Bits)	2.92
WinStone 99 V1.2 -- HighEnd WinStone 99 (1024x768x16Bits)	30.2
WinStone 99 V1.2 -- Bussiness WinStone 99 (1024x768x16Bits)	24.1

Platform Information	
PCB Model & Version	GENE-6350 A1.0 (DVI)
BIOS Version	1.1 (10/01/2004)
CPU Type & FSB	Intel ULV Celeron 650 MHZ (100*6.5)
Memory Type	Hynix HY5DU121622AT-J / DDR333 / 512MB
Operation System	Windows 2000 Professional English Version / 5.00.2195 + SP4
Primary IDE Master	Seagate ST320410A / 20GB / ATA100
Primary IDE Slave	TEAC CD-540E / 40X
Power Supply Type	ATX Power Type: Seventeam ST-352HLP / 350W
Operation System Compatible Test	
	Result
Windows 98SE English Version /4.10.2222A	Pass
Windows XP Professional English Version / 2002 + SP1	Pass
Windows 2000 Professional English Version / 5.00.2195 + SP4	Pass
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
Memory Test (Windows 2000+SP4+HCT 9.5)	
	Result
Hynix HY5DU121622AT-J / DDR333 / 512MB	Pass
INFINEON HYB25D256800CC-6 / DDR333 / 512MB	Pass
LCD/CRT/DVI Function Test (Windows 2000+SP4)	
	Result
CRT	Pass
LCD	Pass
CRT+LCD	Pass
DVI	Pass
CRT+DVI	Pass
BIOS Function Test (Windows 2000 + SP4)	
	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 / Clear CMOS Test	Pass
Boot ROM Test (RPL/PXE)	Pass
User Password Test	Pass
Boot ROM Test	Pass
CRT/LCD/TV Function Test	Pass
Init Display First Function Test	Pass
Voltage Monitor Test	Pass
FAN Speed Monitor Test	Pass
Temperature Monitor Test	Pass
Swap Floppy Drive & Boot up Floppy Seek Function Test	Pass
USB Onboard Device Function Test	Pass
COM Address / IRQ Test (BIOS Default)	Pass
LPT Address / IRQ Test (BIOS Default)	Pass
BIOS Awdflash Program Test	Pass
I/O Peripheral Function Test – I/O Function	Result
Floppy Connector / Driver A: & B:	Pass
Primary IDE Master / Slave	Pass
Compact Flash-Type / Type	Pass
COM1	Pass
COM2-232	Pass
COM3	Pass
COM4	Pass
Clear CMOS	Pass
PS/2 Mouse & Keyboard	Pass
LPT1	Pass
USB 1 & 2 Ports	Pass
USB 3 & 4 Ports	Pass
USB 2.0 1 & 2 Ports	Pass
USB 2.0 3 & 4 Ports	Pass
DVI Function	Pass
Watchdog Software Control	Pass
I/O Peripheral Function Test – Front Panel & Function	Result
Power / IDE LED	Pass
External Buzzer	Pass
On Board Buzzer	Pass
Reset Switch	Pass
Ext. K/B Connector	Pass
CPU FAN Connector	Pass
I/O Peripheral Function Test – Power Connector & Function	Result
4P Power Connector	Pass
I/O Peripheral Function Test – LAN Connector & Function	Result
LAN Active LED	Pass

LAN Link LED	Pass
LAN 10/100 Ethernet	Pass
Power Consumption Test (Intel ULV Celeron 400 MHZ)	Result
Normal Mode (+5V)	3.28 A
Suspend mode (+5V)	2.58 A
Normal Mode (+12V)	0.39 A
Suspend mode (+12V)	0.07 A
Normal Mode (+3.3V) –ATX Power Supply	0.06 A
Suspend mode (+3.3V)-ATX Power Supply	0.06 A
Performance Test – Intel ULV Celeron 650 MHZ, DDR 512MB	Result
WinBench 99 V1.1-- CPUmark 99	60.2
WinBench 99 V1.1-- FPU WinMark	3550
WinBench 99 V1.1-- Business Graphics WinMark 99	Note²
WinBench 99 V1.1 -- High-End Graphics WinMark 99	Note²
WinBench 99 V1.1 – Business Disk WinMark99	Note²
WinBench 99 V1.1 – High End Disk WinMark99	Note²
3D WinBench 2000 V1.0 Processor Test -- DirectX 9.0B / 1024x768x16Bits	Note²
Content Creation Winstone 2001 -- DirectX 9.0B / 1024x768x16Bits	Note²
Final Reality V1.01 BenchMark Test -- 2D image (DirectX 9.0B / 1024x768x16Bits)	6.82
Final Reality V1.01 BenchMark Test -- 3D (DirectX 9.0B / 1024x768x16Bits)	4.18
Final Reality V1.01 BenchMark Test -- Bus transfer (DirectX 9.0B / 1024x768x16Bits)	7.18
Final Reality V1.01 BenchMark Test -- Overall (DirectX 9.0B / 1024x768x16Bits)	5.42
WinStone 99 V1.2 -- HighEnd WinStone 99 (1024x768x16Bits)	46.5
WinStone 99 V1.2 -- Bussiness WinStone 99 (1024x768x16Bits)	Note²

Result Summary	
Note ¹	When turn off the computer under WINXP, the system can't show the "It ' s now safe to turn off your computer" on screen.
Note ²	When using ATX Power and executing performance test of some software can't complete test. 1. Winbench 99 V1.1 2. WinStone99 V1.2 3. 3D Winbench 2000 V1.0 4. Content Creation Winstone 2001