

P5 Verification Test Plan

Release No: 09E010049

Product Model	GENE-9315
Description	Intel Atom N270 + 945GSE SubCompact Board
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB Board : GENE-9315 A0.2 <input checked="" type="checkbox"/> BIOS : GENE-9315 BIOS Rev 1.0(11/05/2009) <input checked="" type="checkbox"/> Carrier Board : N/A <input checked="" type="checkbox"/> Expansion Board :N/A <input checked="" type="checkbox"/> Riser Card :N/A <input checked="" type="checkbox"/> Chipset : <input checked="" type="checkbox"/> CPU : Intel(R) Atom(TM) CPU N270 1.6GHz <input checked="" type="checkbox"/> North Bridge : Intel 945GSE <input checked="" type="checkbox"/> South Bridge : Intel ICH7-M <input checked="" type="checkbox"/> VGA Chipset : Intel 945GSE integrated VGA <input checked="" type="checkbox"/> Audio Chipset : Realtek ALC655 <input checked="" type="checkbox"/> Ethernet Chipset : Intel 82574L <input checked="" type="checkbox"/> I/O Chipset : ITE 8781 <input checked="" type="checkbox"/> TV Chipset : Intel 945GSE integrated VGA <input checked="" type="checkbox"/> Remark : QE P5 Report for GENE-9315
Test Result Summary	
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____	

2009/12/03

Issue date

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Manager

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Summary Table of contents:

Summary Table of contents	2
Platform Information	3
1. I/O Peripheral Function Test	4
2. Power Consumption Test	6
3. Timer Accuracy Test	7
4. Network HUB / LAN Connection Test	8
5. Hardware compatibility	8
6. O.S. Compatibility Test	13
7. BIOS Function Test	14
8. Performance Test	15

There are 3 test results in this document; they are described as follows:

Pass: Function worked perfectly

Fail: Function failed and must be modified in the next version

N/A: Outside of specification or no test equipment

Platform Information:

Item	Device Information
PCB Model / Version	GENE-9315 A0.2
Carrier Board	N/A
BIOS / Version	GENE-9315 BIOS Rev 1.0(11/05/2009)
CPU Type	Intel(R) Atom(TM) CPU N270 1.6GHz
Memory Type	Transcend DDR2 667 SODIMM 2GB (SEC 752 HCE6 K4T1G084QQ)
SATA HDD	Seagate ST3160815AS 160GB
SATA ODD	LG GE20LU10 USB 2.0 Super Multi DVD Rewriter
Primary IDE Master	N/A
Primary IDE Slave	N/A
CRT	Hanns.G HK191H 19"
LCD	AUO G065VN01 V.0 / 640x480x18bit / 6.5" / 3.3V LVDS Panel
Compact Flash	Transcend CF Card 4GB for Industrial TS4GCF45I-D
Backplane	N/A
Riser Card	N/A
Operating System	[<input type="checkbox"/>] Linux-RedHat 9.0 or [<input checked="" type="checkbox"/>] Fedora Core 10 Windows XP Professional English Version V2002 Service Pack 3
Power Supply	ATX Power : COOLERMASER RS-390-PMSR-A3 AT Power : AOpen FSP300 (Short PS-ON and GND to simulate AT mode)

Test Result for Certification

1. I/O Peripheral Function Test

I/O Peripheral Function Test –I/O Function	Result		
	Pass	Fail	N/A
Floppy Connector / Driver A:			X
Primary IDE Master	X		
Primary IDE Slave			X
Secondary IDE Master			X
Secondary IDE Slave			X
Third IDE Master			X
Third IDE Slave			X
RAID 0 Function Test			X
RAID 1 Function Test			X
SATA1 / Serial ATA Connector 1	X		
SATA2 / Serial ATA Connector 2			X
SATA3 / Serial ATA Connector 3			X
SATA4 / Serial ATA Connector 4			X
Compact Flash – Type I	X		
Compact Flash – Type II			X
DOC (Disk On Chip)			X
DOM (Disk On Module) – 40 Pin			X
DOM (Disk On Module) – 44 Pin			X
COM 1-232	X		
COM 2-232	X		
COM 2-422	X		
COM 2-485	X		
COM 2-Ring /+5V /+12V	X		
COM 3-232	X		
COM 4-232	X		
COM 5-232			X
COM 6-232			X
PS/2 Mouse & Keyboard (Internal)	X		
PS/2 Mouse & Keyboard (External)			X
Audio Connector	X		
Audio 7.1 Channel / S/P DIF			X
LPT 1	X		
LPT 2			X
SIR / 115.2 Kbps			X
FIR / 4M bps			X
USB 1/2 Ports	X		
USB 3/4 Ports	X		
USB 5/6 Ports			X
USB 7/8 Ports			X
USB 2.0 1/2 Ports	X		
USB 2.0 3/4 Ports	X		

USB 2.0 5/6 Ports			X
USB 2.0 7/8 Ports			X
DIO Connector	X		
Card Bus			X
PC/104			X
PC/104-Plus			X
PCI-104			X
CD-In Connector			X
TFT TTL LCD			X
TFT LVDS LCD	X		
CRT	X		
TV-out / S Terminal	X		
TV-out / AV Terminal	X		
DVI			X
HDMI			X
Component Video : Y/ Pb /Pr			X
Touch Screen – 4 Wire			X
Touch Screen – 5 Wire			X
Touch Screen – 8 Wire			X
DIMM Slots	X		
Watchdog IRQ n			X
Watchdog Software Control	X		
FAN1 Connector	X		
System FAN Connector			X
LVDS Inverter Connector	X		
Front Panel (CN17)	Result		
	Pass	Fail	N/A
Power On Button	X		
IDE LED	X		
External Buzzer	X		
On Board Buzzer	X		
Power LED	X		
Reset Switch	X		
Keyboard Lock			X
Jumpers Function	Result		
	Pass	Fail	N/A
BIOS write protection Selection and boot Selection			X
Backlight enable level Selection and LVDS Power Selection			X
COM1 +12V/+5V/RING Selection			X
COM2 +12V/+5V/RING Selection	X		
Auto Power button Selection	X		
Power source selection			X
FAN Power Selection			X
CMOS Clear Selection	X		

LCD Brightness and speaker level Selection				X
LVDS Inverter Voltage Selection		X		
LVDS Operating Voltage Selection		X		
Power Connector & Function		Result		
		Pass	Fail	N/A
Standard AT Power Connector				X
Standard ATX Power Connector				X
5V Only Power Connector				X
DC Adapter				X
External +5V Standby Power Input and PS_ON		X		
+12V Voltage Input Connector		X		
+5V Standby Power Input and w/PS_ON& SMBus		X		
+12V Voltage Output Connector		X		
LAN Connector & Function		Result		
		Pass	Fail	N/A
LAN Link / Speed LED	LAN1	X		
	LAN2	X		
LAN Active LED	LAN1	X		
	LAN2	X		
LAN 10/100 Ethernet		X		
LAN 1G Ethernet		X		
PCI Connector & Function		Result		
		Pass	Fail	N/A
Mini PCI Slots		X		
PCI Slots				X
PCI Express				X
Mini PCI Express card		X		
Express card				X

2. Power Consumption Test (Run Prime95 Program)

Platform Information

CPU Board	GENE-9315 A0.2
Carrier Board	N/A
BIOS	GENE-9315 BIOS Rev 0.5(10/06/2009)
Operating System	English Windows XP Professional Service Pack 3
CRT	Hanns.G HK191H 19"
LCD	N/A
Compact Flash	N/A
Expansion Board	N/A
	N/A
Power Supply	ATX Power: AOpen FSP300-60ATV AT Power: COOLERMASER RS-390-PMSR-A3(Short PS-ON and GND to simulate AT mode)

Test					
Environment	ATX Power: AOpen FSP300-60ATV		AT Power: COOLERMASTER RS-390-PMSR-A3(Short PS-ON and GND to simulate AT mode)		Note
Model					
CPU	Intel(R) Atom(TM) CPU N270 1.6GHz		Intel(R) Atom(TM) CPU N270 1.6GHz		
HDD	Seagate ST3160815AS 160GB 3.5" SATA HDD		Seagate ST3160815AS 160GB 3.5" SATA HDD		HDD Power from power supply
RAM	Transcend DDR2 667 SODIMM 2GB (SEC 752 HCE6 K4T1G084QQ)		Transcend DDR2 667 SODIMM 2GB (SEC 752 HCE6 K4T1G084QQ)		
OS Environment	English Windows XP Professional Service Pack 3		English Windows XP Professional Service Pack 3		
Normal Mode (+5V)	2.25	A	1.79	A	
Suspend Mode (+5V)	0.22	A	-----	A	S1
5VSB in Power Off Mode (just for ATX)	0.11	A	-----	A	
5VSB in Power On Mode (just for ATX)	0	A	-----	A	
5VSB in S1 Suspend Mode (just for ATX)	0	A	-----	A	Can't over 5VSB in Power On & Off current.
Normal Mode (+12V)	1.36	A	1.26	A	
Suspend Mode (+12V)	0.62	A	-----	A	S1
Normal Mode (+3.3V) (just for ATX)	0	A	0	A	
Suspend Mode (+3.3V) (just for ATX)	0	A	-----	A	S1
Normal Mode (-12V)	0	A		A	
Suspend Mode (-12V)	0	A	-----	A	
Normal Mode (-5V)	0	A		A	
Suspend Mode (-5V)	0	A	-----	A	

3. Timer Accuracy Test

System Clock & RTC Clock Test				
Test Method	Margin for error	Result		
		Pass	Fail	N/A
RTC Clock in Power On Mode	±3 second during 24 hours	X		
RTC Clock in Power Off Mode	±3 second during 24 hours	X		
Watchdog Timer Test		Result		
		Pass	Fail	N/A
Time-out Interval	10 sec	X		
	60 sec	X		
	255 sec	X		

4. Network HUB / LAN Connection Test

Location		LED Type				Result		
						Pass	Fail	N/A
LAN1 LED		Link / Speed LED				X		
		Active LED				X		
LAN2 LED		Link / Speed LED				X		
		Active LED				X		
Location	Speed	HUB Type	Cable Length	HUB Speed	Onboard LAN Speed	Result		
						Pass	Fail	N/A
Onboard LAN1	10/100/1000 Mbps	D-Link DGS-1008T	100M	1GBps	1000	X		
		Accton DeskTop-3005	100M	100 MBps	100	X		
		SVEC FD916H (10 Mbps HUB)	100M	10 MBps	10	X		
Onboard LAN2	10/100/1000 Mbps	D-Link DGS-1008T	100M	1GBps	1000	X		
		Accton DeskTop-3005	100M	100 MBps	100	X		
		SVEC FD916H (10 Mbps HUB)	100M	10 MBps	10	X		

5. Hardware Compatibility

CPU Compatible Test							
CPU Type	FSB	Prime95 Version	Result				
			Pass	Fail	N/A		
Intel(R) Atom(TM) CPU N270 1.6GHz	533MHz	V.256	X				
	MHz	V.256					
Memory Compatibility Test							
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result		
					Pass	Fail	N/A

Transcend DDR2 667 SODIMM 2GB	SEC 752 HCE6 K4T1G084QQ	667	2GB	V3.5	X		
DSL DDR2 667 SODIMM 512MB	ELPIDA E5108AGBG-6E-E	667	512MB	V3.5	X		
Kingston DDR2-667 KVR667D2S5/2GB	ELPIDA E1108ACBG-6E-E	667	2GB	V3.5	X		
Hynix DDR2 533 SODIMM 1GB	Hynix HY5PS12821B-FP-C4	533	1GB	V3.5	X		
Audio Basic Function Test					Result		
					Pass	Fail	N/A
System Sound					X		
CD_In					X		
CD_In Sound Recorder					X		
Play Sound Recorder					X		
Line Out					X		
Line In					X		
Line In Sound Record					X		
MIC Speaker			Dynamic		X		
			Condenser		X		
MIC Sound Recorder			Dynamic		X		
			Condenser		X		
Audio 5.1 Channel with S/P DIF Function Test					Result		
					Pass	Fail	N/A
2-channel mode for stereo speaker output							X
4-channel mode for 4 speaker output							X
6-channel mode for 5.1 speaker output							X
8-channel mode for 7.1 speaker output							X
S/P DIF function Test			Input				X
			Output				X
On Board TV Function Test					Result		
					Pass	Fail	N/A
NTSC	AV Terminal				X		
PAL					X		
NTSC	S Terminal				X		
PAL					X		
On Board LCD Function Test							

TFT LCD	Type	Voltage	Result					
			18bit (CN12)			24bit(CN7)		
			Pass	Fail	N/A	Pass	Fail	N/A
LVDS	AUO G065VN01 V.0 / 6.5" / 640x480 / 18bit (4:3)	3.3V	X			X		
	AUO G065VN01 V.0 / 6.5" / 640x480 / 24bit (4:3)	3.3V			X	X		
	Data Image 7" / 800*480 / 18bit (16:9)	3.3V	X					X
	AU G084SN05 V.3 / 8.4" / 800*600 / 18bit (4:3)	3.3V	X			X		
	AU B104SN02 V.0 / 10.4" / 800*600 / 18bit (4:3)	3.3V			X			X
	AUO G084SN05 v7 / 8.4" / 800*600 / 24bit (4:3)	3.3V			X	X		
	AU M150XN07 V.1 / 15" / 1024*768 / 18bit (4:3)	5V	X			X		
	AU M150XN07 V.2 / 15" / 1024x768 / 24bit (4:3)	3.3V			X	X		
	Toshiba /12.1"/1280 x 768 x 18bit (16:9)	3.3V	X			X		
	AU M170EG01 V.D/ 17" / 1280*1024 / 48bit (4:3)	3.3V			X	X		
	AU M170XW01 V.1 / 17" / 1280x768 / 24bit (16:9)	5V			X	X		
	AUO T260XW02 / 26" / 1366x768 / 24bit	5V			X	X		
	AU M201UN02 V.5 / 20.1" / 1600x1200x48bit	5V			X	X		
	AUO T370HW01 / 37" / 1920x1080 / 48bit	5V			X	X		
	AUO M190PW01 V0 / 19" / 1440x900 / 48 bit	5V			X	X		
TTL	Toshiba LTM10C209A / 10.4" / 640*480 / 18bit (4:3)	5V			X			X
	NEC NL8060AC31-12 / 12.1" / 800*600 / 18bit (4:3)	3.3/5V			X			X
	Sharp LQ121S1DG11 / 12.1" / 800*600 / 18bit (4:3)	3.3V			X			X

LG LM151X2-C2TH / 15.1" / 1024x768 / 18bit (4:3)	3.3V			X			X
Fujitsu FLC38XGC6V-06 / 15" / 1024*768 / 36bit (4:3)	5V			X			X

PCI Slot Function (PCI Adapter Card) Test

Model	Type	Result		
		Pass	Fail	N/A
CHANTECH NVIDIA GeForce4 MX440-8X	VGA Card			X
Creative Sound BLASTER Live5.1	Sound Card			X
Takram DC-395U V1.02	SCSI Card			X
ADAPTEC Ultra160 SCSI ASC-29160	SCSI Card			X
I-VIEW CP-1400AS (with Age STD-477FAI CCD)	Capture Card			X
Intel GD82559 10/100 Mbps Fast Ethernet Adapter	LAN Card			X
3Com 3C905C-TXM ETHERLINK 10/100 PCI	LAN Card			X
D-Link DWL-520+ Wireless LAN	LAN Card			X
ADAPTEC 1420SA RoHS 4-Port SATA II RAID	RAID Card			X
LEMEL MD V1456VQH-P2 PCI MODEM Card	Modem Card			X
D-Link DU-520 USB 2.0	USB Hub Card			X
Tekram TR-822 Serial ATA 150 [SA-001] + SATA HDD Seagate ST3120026AS 120GB	SATA Card			X

ISA Slot Function Test

Model	Result		
	Pass	Fail	N/A
NE2000 Compatible LAN Card (RTL8019AS)			X
Adaptec AHA-1510/20/22B SCSI Card			X

PCI-Express Function Test

Model	Result		
	Pass	Fail	N/A
SUNIX SATA1414 VER 1.1 PCI-Express x1 SATA Card			X
SksKonnnect SK-9E21D 10/100/1000 Base-T Adapter PCI-Express x1 LAN Card			X
Adaptec AAR-1430SA SATAII HostRAID Controllers PCI-Express x4 RAID Card			X
ASUS EAX1600PRO/TD/256M/A (ATI Chipset) PCI-Express x16 VGA Card			X
WinFast PX6200 TC TDH PCI-Express x16 VGA Card			X

Mini PCI Express Function Test

Model	Result		
	Pass	Fail	N/A
Ralink RT2571WF WLAN Mini Card (USB Interface)	X		
Intel 4965AG_MM1 WLAN Mini Card (PCI Interface)	X		

HDD Compatibility Test

Model	Result		
	Pass	Fail	N/A
Seagate ST3160815AS 160GB	X		
Fujitsu MHW2060BH 60GB	X		

IDE Cable Function test						
IDE Model		Result				
		Pass	Fail	N/A		
40 Pin Cable ATA100				X		
44 Pin Cable ATA33				X		
80 Pin Cable ATA100				X		
USB Function Test						
USB Basic Function Test		Result				
		Pass	Fail	N/A		
USB Controller		X				
USB 2.0 Controller		X				
USB Keyboard Support		X				
USB Mouse Support		X				
USB 1.1 Compatible Test		Result				
		Pass	Fail	N/A		
USB 1.1 Compatible Test		X				
USB 2.0 Compatible Test		Result				
		Pass	Fail	N/A		
USB 2.0 Compatible Test		X				
USB 2.0 Function Test		Result				
		Pass	Fail	N/A		
Install Windows XP Professional from HighSpeed Device: USB2.0 DRW-1604P-D/WHT/G/ASUS		X				
Floppy Disk Controller Function Test		Result				
		Pass	Fail	N/A		
Copy and compare file between C: and A / B:				X		
Change Floppy to None value				X		
Swap FDD				X		
Peripheral Compatibility-Storage Device						
Model		Interface		Result		
				Pass	Fail	N/A
FUJITSU MCB3064SS		SCSI				X
IOMega ZIP 100 parallel port		Parallel				X
IOMega ZIP100MB Internal ATAPI Drive		IDE				X
DOC						X
Type-I CF		Fix / PIO Mode		X		
Type-I CF		Fix / UDMA Mode		X		
Digital I/O Connector Test		Result				
		Pass	Fail	N/A		
Input Address: 2A0h(bit1~bit4) / 2A2h(bit6~bit7) 2A4h(bit1~bit2)		X				
Output Address: 2A0h(bit1~bit4) / 2A2h(bit6~bit7) 2A4h(bit1~bit2)		X				
VCC: (5V), Position : (CN2)		X				
DIO-1 Function Test		X				

DIO-2 Function Test					X
Adapter Compatibility- Industry Control Card PC/104, PC/104+, PCI-104 Modules					
Interface	Model	Type	Result		
			Pass	Fail	N/A
PC/104	AAEON PCM-5600	Modem Module			X
	AAEON PCM-3115B	PCMCIA Module			X
PC/104+	AAEON PCM-3430	SCSI Module			X
PCI-104	AAEON PCM-FA00	Mini-PCI Converter			X
	AAEON PCM-3794	SCSI Module			X
	AAEON PCM-3730	Intel 82559 LAN Module			X
PCI/104 Express	AAEON PER-123				X
On-Board SCSI Function Test					
Model	Interface	Result			
		Pass	Fail	N/A	
RICOH MP7060S	SCSI-CDROM 24X			X	
Fujitsu MCB3064SS	SCSI-MO Device			X	
Seagate 32155W	SCSI-HDD 2.15GB			X	
IBM DNES-309170	SCSI-HDD 9GB			X	
Seagate ST39205LW/P	9GB / Ultra160 / LVD			X	
On-Board RAID Function Test					
Model	Interface	Result			
		Pass	Fail	N/A	
Set SATA HDDs as RAID 0	SATA			X	
Set SATA HDDs as RAID 1	SATA			X	
Set SATA HDDs as RAID 10	SATA			X	
Set SATA HDDs as RAID 5	SATA			X	
COM Function Test			Result		
COM Port Burn In Test			Pass	Fail	N/A
			X		
Disk On Module [DOM] Compatibility Test					
Model	Interface	Result			
		Pass	Fail	N/A	
Transcend / TS512MDOM40V / 512MB	IDE 40 Pin			X	
Transcend / TS512MDOM44V / 512MB	IDE 44 Pin			X	
Mini PCI Card Compatibility Test					
Model	Interface	Result			
		Pass	Fail	N/A	
Mini PCI.10/100 Base-Tx LAN (W/Intel.82551QM .A1.0) (Model:PER-C10L)	LAN	X			

GM-101 WLAN 11b/g 54Mbps Mini PCI Card (Model: VNT6655AM)	WLAN	X		
ADLINK mPCI-8750 ATI Rage XL Mini PCI VGA Card	VGA	X		
COM/LPT Ports & RS-232/422/485 Function Test		Result		
		Pass	Fail	N/A
RS-422 for COM2		X		
RS-485 for COM2		X		
COM1		X		
COM2		X		
COM3		X		
COM4		X		
COM5				X
COM6				X
LPT1		X		
LPT2				X
Card Bus(PCMCIA) Compatibility Function Test				
Model		Result		
		Pass	Fail	N/A
Intel PRO/Wireless 2011B LAN PC Card (WPC2011BWW)				X
PQI 16MB Compact Flash Adapter (64MB PQI CF Card inserting)				X
Kingston datapack DP-PCM2 / 2GB (PC Card TypeII HDD)				X
PCi GW-NS54SG Cardbus Adapter Wireless LAN Type-II				X

6. O.S. Compatibility Test

Installation Operation System Compatibility Test			Result		
			Pass	Fail	N/A
[] Linux-Red Hat 9.0 or [X] Fedora Core 10			X		
Windows XP Professional English Version V2002 Service Pack 3			X		
Utility and Driver Test					
OS	Drivers Version		Result		
			Pass	Fail	N/A
English Linux Fedora Core 10 Ver :2.6.27.5-117.fc10	Chipset Software	Default Driver	X		
	Graphics Media	Default Driver	X		
	LAN Driver	Default Driver	X		
	Audio Driver	Default Driver	X		
Windows XP Professional English Version V2002 Service Pack 3	Chipset Software	Intel(R) Chipset Device Software 9.0.0.1008	X		
	Graphics Media	Mobile Intel(R) 945 Express Chipset Family 6.14.10.4926(2/15/2008)	X		
	LAN Driver	Intel(R) 82574L Gigabit Network Connection 10.3.49.0(8/5/2008)	X		

	Audio Driver	Realtek AC'97 Audio 5.10.0.6280(1/23/2008)	X		
	TPM Driver	Infineon Trusted Platform Module 2.1.1.0(12/14/2007)	X		

7. BIOS Function Test

Test Item	Result		
	Pass	Fail	N/A
Memory Beep Test	X		
Standard CMOS Setup Test	X		
Boot Sequence Test	X		
Power Management Test			
APM Power Management Test	X		
ACPI Power Management Test	X		
Power On Function Test			X
Wake Up Event Test	X		
Mini Card (Wireless)	X		
Power On after Power Failure Test	X		
CMOS Backup / Clear CMOS Test	X		
Boot ROM Test (PXE)	X		
Supervisor / User Password Test	X		
CRT / LCD /TV Function Test	X		
TV Standard Function Test	X		
Init Display First Function Test			X
On-Chip Serial ATA Function Test	X		
SATA Mode-IDE/RAID Function Test			X
PC Health Status			
Voltage Monitor Test	X		
FAN Speed Monitor Test	X		
Temperature Monitor Test	X		
Swap Floppy Drive & Boot up Floppy Seek Function Test			X
USB Onboard Device Function Test	X		
COM Address / IRQ Test	X		
LPT Address / IRQ Test	X		
TPM Function Test	X		
BIOS AWDFLASH Program Test	X		

8. Performance Test

Platform Information

CPU Board	GENE-9315 A0.1
Carrier Board	N/A
BIOS	GENE-9315 BIOS Rev 0.3 without TPM (08/19/2009)
Operating System	English Windows XP Professional Service Pack 3
CPU	Intel(R) Atom(TM) CPU N270 1.6GHz

Memory	Transcend DDR2 667 SODIMM 2GB (SEC 752 HCE6 K4T1G084QQ)
SATA HDD	Seagate ST3160815AS 160GB
Primary IDE Master	N/A
Primary IDE Slave	N/A
CRT	Hanns.G HK191H 19"
LCD	N/A
Compact Flash	N/A
Expansion Board	N/A
Chipset Software	Intel(R) Chipset Device Software 9.0.0.1008
Graphics Media	Mobile Intel(R) 945 Express Chipset Family 6.14.10.4926(2/15/2008)
LAN Driver	Intel(R) 82574L Gigabit Network Connection 10.3.49.0(8/5/2008)
Audio Driver	Realtek AC'97 Audio 5.10.0.6280(1/23/2008)
Touchscreen Driver	N/A
Power Supply	ATX Power: COOLERMASTER RS-390-PMSR-A3

Test Result:

Testing Software	Result	Unit
PCMark2002		
CPU	2644	
Memory	6181	
HDD	1599	
Final Reality V1.01—BenchMark Test		
2D image	19.81	Reality marks
3D	4.05	
Bus transfer	35.64	
Overall	13.51	
3Dmark2001		
3DMark2001SE Build 330_Benchmark mode	2805	

Test Result:

Testing Software	Result	Unit
PCMark05		
PCMark	1592	PCMarks
CPU	1485	
Memory	2392	
Graphics	468	

HDD	5399	
3Dmark2003 v360		
3Dmark Score	710	
CPU Score	244	

Remark: Please uses below two performance software to test mainboard if the chipset is new enough. (ex. Intel Core 2 Duo CPU)