

Release No : 09E010006

Product Model	GENE-9455
Description	Intel Navy Pier(Diamond Ville) subcompact Board
Test Configuration	<p><input checked="" type="checkbox"/>New product</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/>CPU Board : GENE-9455 A1.0 <input checked="" type="checkbox"/>BIOS : A1.0 2/11/2009 <input checked="" type="checkbox"/>Carrier Board : NA <input checked="" type="checkbox"/>Expansion Board : PER-T061 A1.0 (LVDS+SATA) PER-T061 A1.0 (DVI+SATA) PER-T099 A1.0 (LVDS+PCI-E Mini card) PER-T099 A1.0 (DVI+PCI-E Mini card) <p><input checked="" type="checkbox"/>Chipset :</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/>CPU : Intel Navy Pier (Diamondville) 1.6GHz (N270) <input checked="" type="checkbox"/>North Bridge : Intel 945GSE <input checked="" type="checkbox"/>South Bridge : ICH7-M <input checked="" type="checkbox"/>VGA Chipset : 945GSE <input checked="" type="checkbox"/>Audio Chipset : Realtek ALC655 2CH <input checked="" type="checkbox"/>Ethernet Chipset : 82574L <input checked="" type="checkbox"/>I/O Chipset : ITE8781 <input checked="" type="checkbox"/>TV Chipset : 945GSE <input checked="" type="checkbox"/>SDVO : NA <p><input checked="" type="checkbox"/>Remark : QE NPDP P5 Report for Gene-9455</p>
Test Result Summary	
<p><input checked="" type="checkbox"/> Pass</p> <p><input type="checkbox"/> Fail</p> <p><input type="checkbox"/> Pass with Deviation</p>	

2009/2/23

Issue date

Wenyuan Yang

Manager

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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	Test Item
PCB Model / Version	GENE-9455 A1.0	
Carrier Board	NA	
BIOS / Version	A1.0 2/11/2009	
CPU Type	Intel Navy Pier (Diamondville) 1.6GHz (N270)	
Memory Type	(AD2667001GOS)ADOPE 1A 163B8 1GX16 DDR2533	
SATA	NA	
Primary IDE Master	IDE Seagate ST3160815A 160G	
Primary IDE Slave	ASUS DVD-E818A DVD-ROM	
CRT	ViewSonic E70	
LCD	N/A	
Compact Flash	N/A	
Backplane	N/A	
Riser Card	N/A	
Expansion Board	PER-T061 A1.0 (LVDS+SATA)	
	PER-T061 A1.0 (DVI+SATA)	
	PER-T099 A1.0 (LVDS+PCI-E Mini card)	
	PER-T099 A1.0 (DVI+PCI-E Mini card)	
Operating System	Windows XP Professional English Version V2002 Service Pack 3	1,2,3,4,5,6,7,8
	Fedora Core 8	1,8
	Windows vista 32 bit	1,8
Power Supply	ACBel AT power 380	1,2,3,4,5,6,7,8

The Result:

I/O Function	Result			Note
	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 2-232/422/488	X			
COM3-232	X			
COM4-232	X			
COM5-232	X			
COM6-232	X			
COM7-232	X			
COM 8-232	X			
PS/2 Mouse & Keyboard (Internal)	X			
PS/2 Mouse & Keyboard (External)			X	
Audio 5.1 Channel / S/P DIF			X	
LPT 1			X	
SIR / 115.2 Kbps			X	
FIR / 4M bps			X	
USB 1 Ports	X			
USB 2 Ports	X			

USB 3 Ports	X			
USB 4 Ports	X			
DVI Function	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			
TV-out / S Terminal	X			
TV-out / AV Terminal	X			
Touch Screen – 8 Wire	X			
Touch Screen – 4/5 Wire	X			
DIMM Slots	X			
Watchdog IRQ n	X			
Watchdog Software Control	X			
FAN1 Connector	X			
FAN2 Connector			X	
Express card	X			
Speaker Connector			X	
LCD Backlight Power Connector	X			
DC in Connector	X			
PCI Express Mini Card	X			
Power Button	X			
Battery Connector	X			
Front Panel (CN34)	Result			Notes
	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			Notes
		Pass	Fail	N/A	
BIOS write protection Selection and boot Selection				X	
COM1 +12V/+5V/RING Selection				X	
COM2 +12V/+5V/RING Selection		X			
Auto Power button Selection and power on selection				X	
Power source selection				X	
FAN Power Selection				X	
CMOS Clear Selection		X			
LCD Brightness and speaker level Selection		X			
Power Connector & Function		Result			Notes
		Pass	Fail	N/A	
Standard AT Power Connector		X			
Standard ATX Power Connector		X			
5V Only Power Connector		X			
DC Adapter		X			
LAN Connector & Function		Result			Notes
		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			Notes
		Pass	Fail	N/A	
Mini PCI Slot		X			
PCI Slot				X	
PCI Express x1				X	
Express card		X			

2. Power Consumption Test (Run Prime95 Program) Platform Information:

CPU Board	GENE-9455 A1.0
Carrier Board	NA
BIOS	A1.0 2/11/2009
Operating System	Windows XP Professional English Version V2002 Service Pack 3
CRT	ViewSonic E70
LCD	NA
Compact Flash	NA
Expansion Board	NA
	NA
Chipset Software	Intel(R) Chipset Device Software 9.0.0.1008 5/1/2008
Graphics Media	Mobile Intel ® 945 Express Chipset Family 6.14.10.4926 (2/28/2008)
LAN Driver	Intel ®82574L Gigabit Network Connection 10.3.49.0(8/5/2008)
Audio Driver	Realtek High Definition Audio (7/24/2008) 5.10.0.5672
Touchscreen Driver	PenMount 6000 USB 5/13/2008 2.1.0.0
Power Supply	ATX POWER Seventeam ST-402HLP 400W

Test Equipment:

Equipment	AC/DC Digital Clamp Meter
Manufacturer	KYORITSU
Model name	KEW SNAP MODEL 2010 Japan
Standard	Reference to CE EN 61010 Test Procedure
	Reference to UL Test Procedure

Equipment Certified Calibration:

Calibrated Company	KYORITSU
S/N	WO230798 (EM-213)
Report No	None
Calibration Date	Oct. 12, 2008
Next Calibration Date	Oct. 11, 2009
Test By	None

- Test Point: 1. Power on machine and boot into Windows environment
2. Run test software: Prime95 to make system heavy loading in order to measure its maximum current
3. Use Prova EN61010(set as 40A) to measure each current of system different mode

Test			Note
Environment	ATX Power: POWER Seventeam ST-402HLP 400W	AT Power: ATX POWER Seventeam ST-402HLP 400W	
Model			
CPU	Intel Navy Pier (Diamondville) 1.6GHz (N270)	Intel Navy Pier (Diamondville) 1.6GHz (N270)	
HDD	Western Digital WD1200BEVS-60RST0 120GB 2.5" SATA HDD	Western Digital WD1200BEVS-60RST0 120GB 2.5" SATA HDD	
RAM	Kingmax KSBD48F-A8KB4 S/N:K73006701001 1GB DDR2-533	Kingmax KSBD48F-A8KB4 S/N:K73006701001 1GB DDR2-533	
OS Environment	Windows XP Professional English Version V2002 Service Pack 3	Windows XP Professional English Version V2002 Service Pack 3	
Normal Mode (+5V)	2.53 A	2.89 A	
Suspend Mode (+5V)	0.13 A	----- A	
5VSB in Power Off Mode (just for ATX)	..... A	----- A	
5VSB in Power On Mode (just for ATX)	..... A	----- A	
Normal Mode (+12V)	----- A	----- A	
Suspend Mode (+12V)	----- A	----- A	
Normal Mode (+3.3V) (just for ATX)	----- A	----- A	
Suspend Mode (+3.3V) (just for ATX)	----- A	----- A	
Normal Mode (-12V)	..... A	..... A	
Suspend Mode (-12V)	..... A	..... A	
Normal Mode (-5V)	..... A	..... A	
Suspend Mode (-5V)	..... 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	±1 second during 24 hours	X		
RTC Clock in Power Off Mode	±1 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		Active LED				X		
		Link LED				X		
		Speed LED				X		
LAN2 LED		Active LED				X		
		Link LED				X		
		Speed 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	1GBps	X		
		D-Link DES-1316 PoE Switch	100M	100 MBps	100 MBps	X		
		SVEC FD916H (10 Mbps HUB)	100M	10 MBps	10 MBps	X		

5. Hardware Compatibility

CPU Compatible Test							
CPU Type		FSB	Prime95 Version	Result			
				Pass	Fail	N/A	
Intel Navy Pier (Diamondville) 1.6GHz (N270)		X	V2414	X			
Memory Compatibility Test							
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result		
					Pass	Fail	N/A
Kingmax	KSBD48F-A8KB4 S/N:K73006701001	DDR2-533	1GB	V1.65	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
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		
			Pass	Fail	N/A
LVDS	AUO G065VN01 V.0 / 6.5" / 640x480 / 18bit (4:3)	3.3V	X		
	AUO G065VN01 V.0 / 6.5" / 640x480 / 24bit (4:3)	3.3V	X		
	Data Image 7" / 800*480 / 18bit (16:9)	3.3V	X		
	AU G084SN05 V.3 / 8.4" / 800*600 / 18bit (4:3)	3.3V	X		
	AU G150XG01 V.0 / 15" / 1024*768 / 18bit (4:3)	3.3V	X		
	AU M150XN07 V.2 / 15" / 1024x768 / 24bit (4:3)	5V	X		
	Toshiba /12.1"/1280 x 768 x 18bit (16:9)	3V	X		
	AU M170EG01 V.D/ 17" / 1280*1024 / 48bit (4:3)	3.3V	X		
	AU M170XW01 V.1 / 17" / 1280x768 / 24bit (16:9)	5V			X
	AUO T260XW02 / 26" / 1366x768 / 24bit	5V	X		
	AU M201UN02 V.5 / 20.1" / 1600x1200x48bit	5V	X		
	AUO M190PW01 V0 / 19"/1440X900/48 bit	5V	X		
	AUO T370HW01 / 37" / 1920x1080 / 48bit	5V			X
TTL	Toshiba LTM10C209A / 10.4" / 640*480 / 18bit (4:3)	5V			X
	NEC NL8060AC31-12 / 12.1" / 800*600 / 18bit (4:3)	3.3/5V			X
	Sharp LQ121S1DG11 / 12.1" / 800*600 / 18bit (4:3)	3.3V			X

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

PCI Slot Function (PCI Adapter Card) Test

Model	Type	Result		
		Pass	Fail	N/A
CHAINTECH NVIDIA GeForce4 MX440-8X	VGA Card			X
SC3000 CMI8738/C3DX	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	Result		
	Pass	Fail	N/A
Creative CT4170 Sound Blaster Sound Card			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

HDD Compatibility Test

Model	Result		
	Pass	Fail	N/A
Maxtor /Fireball 3 / 40GB / ATA-133			X
Western / WD800JB / 40GB / ATA-100			X
FUJITSU / MPE 3136AH / 13.6GB / ATA-66			X
Seagate / ST340014A / 40GB / Barracuda 7200.7	X		
Seagate / ST3160812A / 160GB/	X		
Quantum / Fireball Plug AS / 30GB / ATA-100			X
Seagate / ST380013A / 80GB / ATA-100			X
Western Digital/WD400BB-75DEA0 / 40GB / ATA-100			X
Western Digital/WD8800JD-00LSA0 / 80GB / ATA-100/SATA			X

CD/DVD-ROM Compatibility Test

Model		Result				
		Pass	Fail	N/A		
TEAC CD-ROM CD-540E 40X				X		
BenQ DW1655 OB2 16 x DVD ReWriter				X		
Acer DVP1640A / 16X / DVD-ROM / ATA33				X		
Pioneer / DVR-A11FXC1 / 8X DVD-RW / 6X DVD-RW / ATA66				X		
Pioneer / DVD-126D / 16X / DVD-ROM / ATA66				X		
Pioneer / DVD-121 / 16X / DVD-ROM / ATA66				X		
SAMSUNG / SH-W08 / DVD+R 8X / DVD-R 8X / CD-R 32X / ATA33		X				
IBM HL-DT-ST / GCR 8480B-48X / CD-ROM ATA33				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:			X		
Output Address:			X		
VCC: (5V)			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
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
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
GM-100 WLAN 11g Mini PCI Card (Model: Sky Thru GC-100)		LAN	X		
GM-101 WLAN 11b/g 54Mbps Mini PCI Card (Model: VNT6655AM)		LAN	X		
COM/LPT Ports & RS-232/422/485 Function Test			Result		
			Pass	Fail	N/A

COM 1-232	X		
COM 2-232/422/488	X		
COM3-232	X		
COM4-232	X		
COM5-232	X		
COM6-232	X		
COM7-232	X		
COM8-232	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-RedHat 9.0 or [] Fedora Core 4.0 [X] Fedora Core 8.0	X		
Windows Server 2003 English Version / Standard Edition 5.2.3790			X
Windows Server 2003 English Version /Standard x64 Edition			X
Windows XP Professional English Version V2002 Service Pack 3	X		
Windows XP Professional Simplified-Chinese Version V2002 Service Pack 2			X
Windows XP Professional Japanese Version V2002 Service Pack 2			X
Windows XP Professional English Version /Standard x64 Edition			X
Windows vista 32 bit	X		
Windows 2000 Professional English Version V5.00.2195 Service Pack4			X
Windows 2000 Professional Simplified-Chinese Version V5.00.2195 Service Pack4			X
Windows 2000 Professional Japanese Version V5.00.2195 Service Pack4			X
Windows Server 2000 English Version			X
Windows 98SE English Version V4.10.2222A			X
DOS 6.22 English Version			X
DOS 6.22 Japanese Version			X

Utility and Driver Test

OS	Drivers Version		Result		
			Pass	Fail	N/A
Fedora Core 8.0	Chipset Software	On board	X		
	Graphics Media	On board	X		
	LAN Driver	e1000e-0.4.1.7	X		
	Audio Driver	On board	X		
Windows Server 2003	Chipset Software				X

English Version Standard Edition 5.2.3790	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows Server 2003 English Version Standard x64 Edition	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows XP Professional English Version V2002 Service Pack 3	System	Intel(R) Chipset Device Software 9.0.0.1008 5/1/2008	X		
	Graphics Media	Mobile Intel ® 945 Express Chipset Family 6.14.10.4926 (2/28/2008)	X		
	LAN Driver	Intel ®82574L Gigabit Network Connection 10.3.49.0(8/5/2008)	X		
	Audio Driver	Realtek High Definition Audio (7/24/2008) 5.10.0.5672	X		
Windows Vista 32bit	System	Intel(R) Chipset Device Software 9.0.0.1008 5/1/2008	X		
	Graphics Media	Mobile Intel ® 945 Express Chipset Family 15.8.3.1504, 6.27, 2008 (2/28/2008)	X		
	LAN Driver	Intel ®82574L Gigabit Network Connection 10.3.49.0(8/5/2008)	X		
	Audio Driver	Realtek High Definition Audio (7/24/2008) 5.10.0.5672	X		
Windows XP Professional Japanese Version V2002 Service Pack 2	System				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows XP Professional x64 Edition English Version Service Pack 2 V2002	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows 2000 Professional English Version V5.00.2195 Service Pack 4	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows 2000 Professional Simplified-Chinese Version V5.00.2195 Service Pack4	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows 2000 Professional	Chipset Software				X

Japanese Version V5.00.2195 Service Pack4	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows Server 2000 English Version	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows 98SE English Version V4.10.2222A	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				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		
Power On after Power Failure Test	X		
CMOS Backup / Clear CMOS Test	X		
Boot ROM Test (RPL/PXE)	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
BIOS AWDFLASH Program Test	X		

8. Performance Test

CPU Board	GENE-9455 A1.0
Carrier Board	NA

BIOS	A1.0 2/11/2009
Operating System	English Windows XP Professional Service Pack 2 V2003
CPU	Intel® Atom™ CPU N270@1.60GHZ
Memory	King Max KSBD48F-A8KB4 S/N:K73006701001 EJE 1GB DDR2-533
SATA HDD	NA
Primary IDE Master	WD WD800JB WD800JB-00JJCO 80GB
Primary IDE Slave	NA
CRT	Hanns-G JC151A FA 005559
LCD	NA
Compact Flash	NA
Expansion Board	NA
	NA
Chipset Software	Intel(R) Chipset Device Software 9.0.0.1008 5/1/2008
Graphics Media	Mobile Intel ® 945 Express Chipset Family 6.14.10.4926 (2/28/2008)
LAN Driver	Intel ®82574L Gigabit Network Connection 10.3.49.0(8/5/2008)
Audio Driver	Realtek High Definition Audio (7/24/2008) 5.10.0.5672
Touchscreen Driver	Intel(R) Chipset Device Software 9.0.0.1008 5/1/2008
Power Supply	ATX POWER Seventeam ST-402HLP 400W

Test Result:

Testing Software	Result	Unit
PCMark2002		
CPU	1702	
Memory	4070	
HDD	1222	
Final Reality V1.01—BenchMark Test		
2D image	11.81	
3D	2.45	
Bus transfer	12.01	
Overall	6.69	Reality marks
3Dmark2001		
3DMark2001SE Build 330_Benchmark mode	2787	

Test Result:

Testing Software	Result	Unit
PCMark05		
PCMark	1469	
CPU	1492	
Memory	2376	
Graphics	539	
HDD	3910	
3Dmark2003 v360		
3Dmark Score	697	
CPU Score	245	