

Report NO: 10E010025

GENE-LN05

P5 Test Report

Summary	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____			
	Test Result Summary			
	Critical	Major	Minor	Enhancement
Defect Found	0	0	0	0
Defect Unsolved	0	0	0	0

Issue date <hr style="width: 100%;"/> 2010/10/7	Approval <hr style="width: 100%;"/> Jansin Lee	Test Engineer <hr style="width: 100%;"/> Leo Liu
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Platform Information:

Product Model	GENE-LN05
Description	Intel Luna Pier (Refresh) <i>SubCompact Board</i>
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB Board : GENE-LN05 / A0.2 <input checked="" type="checkbox"/> BIOS : GLN5 1.00 x64(09/09/2010) <input checked="" type="checkbox"/> Chipset : <input checked="" type="checkbox"/> South Bridge : Intel ICH8M <input checked="" type="checkbox"/> VGA Chipset : Integrated graphics in processor <input checked="" type="checkbox"/> Audio Chipset : Realtek ALC888 HD Audio <input checked="" type="checkbox"/> Ethernet Chipset : Intel 82567V and 82583V <input checked="" type="checkbox"/> Remark : QE NPDN P5 Report for GENE-LN05

Item	Device Information	Test Item
PCB Model / Version	GENE-LN05 / A0.2	1,2,3,4,5,6,7,8
BIOS / Version	GLN5 1.00 x64(09/09/2010)	1,2,3,4,5,6,7,8
CPU Type	Intel(R) Atom N450 1.6GHz / FSB: 533MHz	1,2,3,4,5,6,7,8
Memory Type	A-DATA DDR2-667 1G(A-DATA AD29608A8A-3EG)	1,2,3,4,5,6,7,8
SATA HDD	Seagate 3.5" SATA2 80G(ST380815AS)	1,2,3,4,5,6,7,8
SATA ODD	Pioneer 18X DVD-RW(DVR-212BK)	1,2,3,4,5,6,7,8
Primary IDE Master	N/A	
Primary IDE Slave	N/A	
CRT	Hanns.G LCD 15"(JC151)	1,2,3,4,5,6,7,8
LCD	AUO G065VN01 V.0 / 640x480x18bit / 6.5" / 3.3V LVDS Panel	1,2,3,4,5,6,7,8
Compact Flash	Transcend 4GB	1,2,3,4,5,6,7,8
Riser Card	N/A	
Backplane	N/A	
OS Install	Windows XP Professional English Version V2002 Service Pack 3	6
Power Supply	ATX Power : Seventeam 350W(ST-350BKV)	1,2,3,4,5,6,7,8

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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 specifications or no test equipment

The test report would be tested and updated after version changed.

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		
CPU FAN Connector	X		
System FAN Connector			X
Front Panel	Result		
	Pass	Fail	N/A
ATX Power-on Button	X		
HDD Active LED	X		
External Speaker	X		
Power LED	X		
System Reset Button	X		
Jumpers Function	Result		
	Pass	Fail	N/A
Touch Screen 4/5/8-wires Mode Selection	X		
Auto Power Button Selection	X		
COM2 RI/+5/+12V Selection	X		
Clear CMOS	X		
LVDS Backlight Bias/PWM Mode Selection	X		
LVDS Operating Voltage Selection	X		

LVDS Inverter Voltage Selection		X		
Power Connector & Function		Result		
		Pass	Fail	N/A
12V Only Power Connector		X		
ATX Power Connector				X
ATX Power_12V Connector				X
AT Power Connector				X
Big 4P Power Connector				X
Mini 4P Power Connector				X
External Power Connector(-12/-5V)				X
Option ATX Power Connector (PS-ON / +5VSB)				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 x1 / x4 / x16				X
Mini PCI Express card		X		
Express card				X
SIM slot		X		

2. Power Consumption Test (Run Prime95 Program)

Platform Information

PCB Model / Version / CPU Board	GENE-LN05 / A0.2
Carrier Board	N/A
BIOS	GLN5 1.00 x64(09/09/2010)
Operating System	Windows XP Professional English Version V2002 Service Pack 3
CPU	Intel(R) Atom N450 1.6GHz / FSB: 533MHz
Memory	A-DATA DDR2-667 1G(A-DATA AD29608A8A-3EG)
SATA HDD	Seagate 3.5" SATA2 80G(ST380815AS)
Primary IDE Master	N/A
Primary IDE Slave	N/A
CRT	Hanns.G LCD 15"(JC151)
LCD	N/A
Compact Flash	N/A
Backplane	N/A
Riser Card	N/A
Power Supply	ATX Power Supply : Seventeam 350W(ST-350BKV)

Test Environment	ATX Power: Seventeam 350W(ST-350BKV)	AT Power: N/A	Note
Model			
CPU	Intel(R) Atom N450 1.6GHz / FSB: 533MHz	N/A	S1
HDD	Seagate 3.5" SATA2 80G(ST380815AS)	N/A	
RAM	A-DATA DDR2-667 1G(A-DATA AD29608A8A-3EG)	N/A	
OS Environment	Windows XP-sp3	N/A	
Normal Mode (+5V)	N/A	A	A
Suspend Mode (+5V)	N/A	A	A
5VSB in Power Off Mode (just for ATX)	0.01	A	A
5VSB in Power On Mode (just for ATX)	0.01	A	A
5VSB in Suspend Mode (just for ATX)	0.02	A	A S1
Normal Mode (+12V)	1.54	A	A
Suspend Mode (+12V)	0.91	A	A
Normal Mode (+3.3V) (just for ATX)	N/A	A	A

Suspend Mode (+3.3V) (just for ATX)	N/A	A	-----	A	
Normal Mode (-12V)	N/A	A	N/A	A	
Suspend Mode (-12V)	N/A	A	-----	A	
Normal Mode (-5V)	N/A	A	N/A	A	
Suspend Mode (-5V)	N/A	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		
		HP J4095A 24 Ports	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		
		HP J4095A 24 Ports	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 Atom D510	533	V.259	X				
Memory Compatibility Test							
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result		
					Pass	Fail	N/A
Transcend	ELPIDA(E5108AJBG-6E-E)	667MHz	1GB	V4.00	X		
A-DATA	A-DATA(AD29608A8 A-3EG)	667MHz	1GB	V4.00	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		
			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 B104SN02 V.0 / 10.4" / 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)	3.3V	X		
	Toshiba /12.1"/1280 x 768 x 18bit (16:9)	3.3V	X		
	AU M170EG01 / 17" / 1280*1024 / 48bit (4:3)	5V	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 T370HW01 / 37" / 1920x1080 / 48bit	5V			X
	AUO M190PW01 V0 / 19"/1440X900/48 bit	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
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

	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
HDD Compatibility Test			
Model	Result		
	Pass	Fail	N/A
Seagate 3.5" SATA2 80G	X		
Fujitsu MHY2080BH 80GB 2.5" HDD / ATA-133 / SATA			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: SONY USB2.0 DVD-R/W DRX-830UL	X		
USB Device Full Loading Test	Result		
	Pass	Fail	N/A
Model			
SONY USB2.0 DVD-R/W DRX-830UL	X		
Mitsumi FDD D353GUE/FUE	X		

USB HDD FUJITSU MHW2040AT 40GB	X		
USB 2.0 HUB PowerSync 4 Port HU-155	X		
USB Mouse	X		
USB Flash drive Transcend 2GB	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: N/A			X
Output Address: N/A			X
VCC: (5V) , Position :			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		
	Pass	Fail	N/A
COM Port Burn In Test overnight	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
Ralink RT2571WF WLAN Mini Card (USB Interface)	WLAN	X		
Sil3132 Mini PCI-E Function Test Card (USB Interface)		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 Typell 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 12		X			
Windows 7 Ultimate English Version		X			
Windows Vista TM Ultimate English Version				X	
Windows Vista TM Ultimate x64 Edition English Version				X	
Windows XP Professional English Version V2002 Service Pack 3		X			
Windows XP Professional English Version /Standard x64 Edition				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 Server 2003 English Version / Standard Edition 5.2.3790				X	
Windows Server 2003 English Version /Standard x64 Edition				X	
Windows 98SE English Version V4.10.2222A				X	
DOS 6.22 English Version				X	
Utility and Driver Test					
OS	Drivers Version		Result		
			Pass	Fail	N/A
Linux-Fedora 9 / Kernel-2.6.31.5-127.fc12	Chipset Software	Default Driver	X		
	Graphics Media	Default Driver	X		
	LAN Driver	Default Driver	X		
	Audio Driver	Default Driver	X		
Windows 7 Ultimate English Version	Chipset Software	Intel(R) Chipset Device Software: 9.1.1.1009(2009/03/09)	X		
	Graphics Media	Intel(R) Graphics Media Accelerator 3150: 8.14.10.2117(2010/04/19)	X		
	LAN Driver	Intel(R) 82567V-3 Gigabit Network Connection: 10.1.9.0(2010/4/7)	X		
	LAN Driver	Intel(R) 82583V Gigabit Network Connection: 11.4.7.0(2009/12/4)	X		
	Audio Driver	Realtek High Definition Audio: (2.99)R2.48; 6.1.7600.16385(2009/7/13)	X		

Windows Vista TM Ultimate English Version	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows Vista TM Ultimate x64 Edition English Version	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows XP Professional English Version V2002 Service Pack 3	Chipset Software	Intel(R) Chipset Device Software: 9.1.1.1009(2009/03/09)	X		
	Graphics Media	Intel(R) Graphics Media Accelerator 3150: 6.14.10.5244(2010/03/17)	X		
	LAN Driver	Intel(R) 82567V-3 Gigabit Network Connection: 10.1.9.0(2010/4/7) Intel(R) 82583V Gigabit Network Connection: 11.4.7.0(2009/12/4)	X		
	Audio Driver	Realtek High Definition Audio: (2.99)R2.48; 5.10.0.6101(2010/4/30)	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 Japanese Version V5.00.2195 Service Pack4	Chipset Software				X
	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 Server 2003 English Version Standard Edition 5.2.3790	Chipset Software				X
	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 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		
Supervisor / User Password Test	X		
CRT / LCD 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		



Computing Platform Service Partner

P3-0713
GENE-LN05 P5 Test Report

COM Address / IRQ Test	X		
LPT Address / IRQ Test	X		
BIOS AWDFLASH Program Test	X		

8. Performance Test

Platform Information

PCB Board	GENE-LN05 / A0.2
Carrier Board	N/A
BIOS	GLN5 1.00 x64(09/09/2010)
Operating System	English Windows XP Professional Service Pack 3
CPU	Intel(R) Atom N450 1.6GHz / FSB: 533MHz
Memory	A-DATA DDR2-667 1G(A-DATA AD29608A8A-3EG)
SATA HDD	Seagate 3.5" SATA2 80G(ST380815AS)
Primary IDE Master	N/A
Primary IDE Slave	N/A
CRT	Hanns.G LCD 15"(JC151)
LCD	N/A
Compact Flash	N/A
Expansion Board	N/A
	N/A
Chipset Software	Intel(R) Chipset Device Software: 9.1.1.1009(2009/03/09)
Graphics Media	Intel(R) Graphics Media Accelerator 3150: 6.14.10.5244(2010/03/17)
LAN Driver	Intel(R) 82567V-3 Gigabit Network Connection: 10.1.9.0(2010/4/7) Intel(R) 82583V Gigabit Network Connection: 11.4.7.0(2009/12/4)
Audio Driver	Realtek High Definition Audio: (2.99)R2.48; 5.10.0.6101(2010/4/30)
Touchscreen Driver	N/A
Power Supply	ATX Power: Seventeam 350W(ST-350BKV)

Test result:

Testing Software	Result	Unit
PCMark2002		
CPU	2805	
Memory	7362	
HDD	1234	
Final Reality V1.01—BenchMark Test		
2D image	21.52	
3D	4.05	
Bus transfer	39.15	
Overall	14.55	Reality marks
3Dmark2001		
3DMark2001SE Build 330_ Benchmark mode	3074	

Test Result:

Testing Software	Result	Unit
PCMark05		
PCMark	1944	PCMarks
CPU	2023	
Memory	2580	
Graphics	649	
HDD	4859	
3Dmark2003 v360		
3Dmark Score	965	
CPU Score	311	

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