

# P5 Verification Test Plan

Release No : 10E010001

Product Model	<b>GENE-8315</b>
Description	Intel ULV Celeron M SubCompact Board
Test Configuration	<p> <input type="checkbox"/> New product  <input type="checkbox"/> PCB : GENE-8315 A1.0-A  <input type="checkbox"/> BIOS : GENE-8315 BIOS Rev 1.0 (6/13/2008)  <input type="checkbox"/> CPU : Onboard CPU-Intel Celeron-M 1.5GHz  <input type="checkbox"/> Chipset :  <input type="checkbox"/> North Bridge : Intel 852GM(E)  <input type="checkbox"/> South Bridge : Intel ICH4  <input type="checkbox"/> VGA Chipset : Intel 82852/82855GM/GME Graphics Controller  <input type="checkbox"/> Audio Chipset : Realtek ALC655 2CH  <input type="checkbox"/> Ethernet Chipset : Intel 82562 &amp; Realtek RTL810BL  <input type="checkbox"/> I/O Chipset : IT8712IX         </p> <p> <input type="checkbox"/> Remark : QE NPDP P5 Report for GENE-8315         </p>
<b>Test Result Summary</b>	
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____	

2008/07/29

Issue date

Wenyuan Yang

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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	GENE-8315 Rev A1.0-A	
BIOS / Version	GENE-8315 BIOS Rev 1.0 (6/13/2008)	
CPU Type	Onboard CPU-Intel Celeron-M 1.5GHz	
Memory Type	Kingston DDR SO-DIMM 333 1Gb	
SATA HDD	N/A	
Primary IDE Master	FUJITSU MHV2080AH PL 80G IDE H.D 2.5"	
Primary IDE Slave	ASUS-DVD E818A & BENQ-DVD 1650V	
CRT	ViewSonic E70 17"	
LCD	AUO G065VN01 V.0 / 6.5" / 640x480 / 18bit (4:3) AU G084SN05 V.3 / 8.4" / 800*600 / 18bit (4:3) AU G150XG01 V.0 / 15" / 1024*768 / 18bit (4:3) AU M150XN07 V.2 / 15" / 1024x768 / 24bit (4:3) AU M170EG01 V.D/ 17" / 1280*1024 / 48bit (4:3) Data Image 7" / 800*480 / 18bit (16:9)	
Compact Flash	N/A	
PCI-104	N/A	
Backplane	N/A	
Operating System	<input type="checkbox"/> Linux-RedHat 9.0 or <input type="checkbox"/> Fedora Core 4.0 <input checked="" type="checkbox"/> Fedora Core 8.0	1,2,3,4,5,6,7,8
	Windows Server 2003 English Version / Standard Edition 5.2.3790	N/A
	Windows Server 2003 English Version /Standard x64 Edition	N/A
	Windows XP Professional English Version V2002 Service Pack 2	N/A
	Windows XP Professional Simplified-Chinese Version V2002 Service Pack 3	1,2,3,4,5,6,7,8
	Windows XP Professional Japanese Version V2002 Service Pack 2	N/A
	Windows XP Professional English Version /Standard x64 Edition	N/A
	Windows 2000 Professional English Version V5.00.2195 Service Pack4	N/A
	Windows 2000 Professional Simplified-Chinese Version V5.00.2195 Service Pack4	1,2,3,4,5,6,7,8
	Windows 2000 Professional Japanese Version V5.00.2195 Service Pack4	N/A
	Windows Server 2000 English Version	N/A
	Windows 98SE English Version V4.10.2222A	N/A
MS-DOS 6.22 English Version	N/A	
Power Supply	ATX Power : AOpen FSP300-60ATV	1,2,3,4,5,6,7,8
	AT Power : AOpen FSP300-60ATV	2
	DC Power: N/A	N/A

## 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 5.1 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 2.0 1/2 Ports	X		
USB 2.0 3/4 Ports	X		
USB 2.0 5/6 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 – 5 Wire			X
DIMM Slots	X		
Watchdog IRQ n			X
Watchdog Software Control	X		
CPU FAN Connector	X		
System FAN Connector			X
Front Panel (FP1 + FP2)	<b>Result</b>		
	<b>Pass</b>	<b>Fail</b>	<b>N/A</b>
Power On Button	X		
IDE LED	X		
External Buzzer	X		
On Board Buzzer			X
Power LED	X		
Reset Switch	X		
Jumpers Function	<b>Result</b>		
	<b>Pass</b>	<b>Fail</b>	<b>N/A</b>
ATX simulates AT			X
Audio Out Selection (W/O & W/ Amplifier)			X
LCD Power Select			X
COM1-Ring/5V/12V Selection			X
COM2-Ring/5V/12V Selection	X		
COM2 RS-232/422/485 Selection (Depends on BIOS)			X
COM3-Ring/5V/12V Selection			X
COM4-Ring/5V/12V Selection			X
Clear CMOS	X		
Touch Screen Operating Mode Selection			X
Clock Shift of TFT LCD			X
Power Connector & Function	<b>Result</b>		
	<b>Pass</b>	<b>Fail</b>	<b>N/A</b>
DC Power Connector			X
ATX 24 Pin Power Connector			X
ATX Power Connector	X		
ATX Power_12V Connector			X
AT Power 12V Connector	X		

<b>Big 4P Power Connector</b>				<b>X</b>
<b>Mini 4P Power Connector</b>				<b>X</b>
<b>External Power Connector(-12/-5V)</b>				<b>X</b>
<b>Option ATX Power Connector (PS-ON / +5VSB)</b>				<b>X</b>
<b>LAN Connector &amp; Function</b>		<b>Result</b>		
		<b>Pass</b>	<b>Fail</b>	<b>N/A</b>
<b>LAN Speed LED</b>	<b>LAN1</b>	<b>X</b>		
	<b>LAN2</b>	<b>X</b>		
	<b>LAN3</b>	<b>X</b>		
<b>LAN Active LED</b>	<b>LAN1</b>	<b>X</b>		
	<b>LAN2</b>	<b>X</b>		
	<b>LAN3</b>	<b>X</b>		
<b>LAN Link LED</b>	<b>LAN1</b>	<b>X</b>		
	<b>LAN2</b>	<b>X</b>		
	<b>LAN3</b>	<b>X</b>		
<b>LAN 10/100 Ethernet</b>		<b>X</b>		
<b>LAN 1G Ethernet</b>				<b>X</b>
<b>PCI Connector &amp; Function</b>		<b>Result</b>		
		<b>Pass</b>	<b>Fail</b>	<b>N/A</b>
<b>Mini PCI Slots</b>				<b>X</b>
<b>PCI Slots</b>				<b>X</b>
<b>PCI Express</b>				<b>X</b>

## 2. Power Connector Test (110V / 220V )

Test Method	Result		
	Pass	Fail	N/A
DC Power Connector- Power On/Off for 10 times in DOS			X
ATX Connector - Power On/Off for 10 times in DOS	X		
AT Connector - Power On/Off for 10 times in DOS	X		
5V Only - Power On/Off for 10 times in DOS			X

### 2.1 Power Consumption Test:

- 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 Environment	ATX Power: Seventeam ST-402HLP	AT Power: Seventeam ST-402HLP	Note
Model			
CPU	Onboard CPU-Intel Celeron-M 1.5GHz	Onboard CPU-Intel Celeron-M 1.5GHz	
HDD	FUJITSU MHV2080AH PL 80G IDE H.D 2.5"	FUJITSU MHV2080AH PL 80G IDE H.D 2.5"	
RAM	Kingston DDR SO-DIMM 333 1Gb	Kingston DDR SO-DIMM 333 1Gb	
OS Environment	Windows XP Professional SP2	Windows XP Professional SP2	
Normal Mode (+5V)	4.91 A	5.21 A	
Suspend Mode (+5V)	2.23 A	----- A	
5VSB in Power Off Mode (just for ATX)	0 A	----- A	
5VSB in Power On Mode (just for ATX)	0 A	----- A	
Normal Mode (+12V)	0 A	----- A	
Suspend Mode (+12V)	0 A	----- A	
Normal Mode (+3.3V) (just for ATX)	0 A	----- A	
Suspend Mode (+3.3V) (just for ATX)	0 A	----- A	

### 3. Timer Accuracy Test

System Clock & RTC Clock Test				
Test Method	Margin for error	Result		
		Pass	Fail	N/A
System Clock in Power On Mode	±1 second during 24 hours	X		
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
LAN1~3 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
		D-Link DGS-1008T	100M	1GBps	100	X		
		D-Link DES-1316 PoE Switch	100M	100 MBps	100	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	
Onboard CPU-Intel Celeron-M 1.5GHz		400	V2414	X			
Memory Compatibility Test							
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result		
					Pass	Fail	N/A
Kingston	SAMSUNGK4H510838 C-ZCCC	333	1G	V1.70	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	Data Image 7" / 800*480 / 18bit (16:9)	3.3V	X		
	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
	AU B104SN02 / 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		
	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	26V			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
I-VIEW CP-1400AS (with Age STD-477FAI CCD)	Capture Card			X
Intel GD82559 10/100 Mbps Fast Ethernet Adapter	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

<b>HDD Compatibility Test</b>			
Model	Result		
	Pass	Fail	N/A
FUJITSU MHV2080AH PL 80G IDE H.D 2.5"	X		
Seagate ST940815A 40G IDE H.D 2.5"	X		
<b>CD/DVD-ROM Compatibility Test</b>			
Model	Result		
	Pass	Fail	N/A
LITE-ON LITEON DX-20A4PU (USB DVD-ROM)	X		
ASUS-DVD E818A(CD-200707)	X		
<b>IDE Cable Function test</b>			
IDE Model	Result		
	Pass	Fail	N/A
40 Pin Cable ATA66			X
44 Pin Cable ATA33	X		
80 Pin Cable ATA100			X
<b>USB Function Test</b>			
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		
USB Device Full Loading Test	Result		
	Pass	Fail	N/A
Mitsumi FLL3.5 D353GUE/FUE	X		
USB HDD 20GB	X		
USB Card Reader	X		
USB Mouse	X		
USB Thumb drive Sandisk 1G	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	
<b>Peripheral Compatibility-Storage Device</b>					
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	
<b>Digital I/O Connector Test</b>		Result			
		Pass	Fail	N/A	
Input Address:		X			
Output Address:		X			
VCC: (5V)		X			
DIO-1 Function Test		X			
DIO-2 Function Test				X	
<b>Adapter Compatibility- Industry Control Card PC/104, PC/104+, PCI-104 Modules</b>					
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
<b>On-Board RAID Function Test</b>					
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	
<b>COM Function Test</b>		Result			
		Pass	Fail	N/A	
COM Port Burn In Test overnight		X			
<b>Disk On Module [DOM] Compatibility Test</b>					
Model	Interface	Result			
		Pass	Fail	N/A	

Transcend / TS512MDOM40V / 512MB	IDE 40 Pin			X
Transcend / TS512MDOM44V / 512MB	IDE 44 Pin	X		
<b>Mini PCI Card Compatibility Test</b>				
Model (Use PCI-104 transform board: MBC-1TM Rev.A1.0)	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
PER-C20S SATA RAID MiniPCI Card (Silicon Image Sil3512ECTU128 QF7227.1-1)	SATA			X
<b>COM/LPT Ports &amp; RS-232/422/485 Function Test</b>		Result		
		Pass	Fail	N/A
RS-422 for COM2		X		
RS-485 for COM2		X		
COM1		X		
COM2		X		
LPT1				X
LPT2				X
<b>Card Bus(PCMCIA) Compatibility Function Test</b>				
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 English Version /Standard x64 Edition					X
Windows 2000 Professional English 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
Utility and Driver Test					
OS	Drivers Version		Result		
			Pass	Fail	N/A
Fedora Core 8.0 / Kernel 2.6.23	Chipset Software	Use Default Driver	X		
	Graphics Media	Use Default Driver	X		
	LAN Driver	Use Default Driver	X		
	Audio Driver	Use Default Driver	X		
Windows Server 2003 English Version Standard Edition 5.2.3790	Chipset Software	N/A			X
	Graphics Media	N/A			X
	LAN Driver	N/A			X
	Audio Driver	N/A			X
Windows Server 2003 English Version Standard x64 Edition	Chipset Software	N/A			X
	Graphics Media	N/A			X
	LAN Driver	N/A			X
	Audio Driver	N/A			X
Windows XP Professional English Version V2002 Service Pack 3	Chipset Software	Intel Chipset Software Installation Utility~6.2.1.1001	X		
	Graphics Media	Intel Graphics Media Accelerator Driver~6.14.10.3865	X		
	LAN Driver	Intel PRO/100 VE Network Connection~8.0.11.0 Realtek RTL8139/810x Family Fast Ethernet~5.621.304.2005	X		
	Audio Driver	Realtek AC'97Audio~5.10.0.5630	X		
Windows XP Professional x64 Edition English Version Service Pack 2 V2002	Chipset Software	N/A			X
	Graphics Media	N/A			X
	LAN Driver	N/A			X
	Audio Driver	N/A			X
Windows 2000 Professional English Version V5.00.2195 Service Pack 4	Chipset Software	Intel Chipset Software Installation Utility~6.2.1.1001	X		
	Graphics Media	Intel Graphics Media Accelerator Driver~6.14.10.3865	X		

	LAN Driver	Intel PRO/100 VE Network Connection~8.0.11.0 Realtek RTL8139/810x Family Fast Ethernet~5.621.304.2005	X		
	Audio Driver	Realtek AC'97Audio~5.10.0.5630	X		
Windows Server 2000 English Version	Chipset Software	N/A			X
	Graphics Media	N/A			X
	LAN Driver	N/A			X
	Audio Driver	N/A			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		
<b>Power Management Test</b>			
AT Power Management Test	X		
ATX 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 / 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
<b>PC Health Status</b>			
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

### Platform Information

PCB Model	GENE-8315 Rev A1.0-A
BIOS	GENE-8315 BIOS Rev 1.0 (6/13/2008)
Operating System	Windows XP Professional V2002 Service Pack 3
CPU	Onboard CPU-Intel Celeron-M 1.5GHz
Memory	Kingston DDR SO-DIMM 333 1Gb
SATA HDD	N/A
Primary IDE Master	FUJITSU MHV2080AH PL 80G IDE H.D 2.5"
Primary IDE Slave	N/A
CRT	ViewSonic E70 17"
Compact Flash	N/A
Backplane	N/A
Riser Card	N/A
Chipset Software	Intel Chipset Software Installation Utility~6.2.1.1001~2004/09/03
Graphics Media	Intel Graphics Media Accelerator Driver~6.14.10.3865~2004/07/01
LAN Driver	Intel PRO/100 VE Network Connection~8.0.11.0~2004/06/22 Realtek RTL8139/810x Family Fast Ethernet~5.621.304.2005~2005/04/18
Audio Driver	Realtek AC'97 Audio~5.10.0.5630~2004/07/01
Touchscreen Driver	N/A
Power Supply	AOpen FSP300-60ATV

### Test result:

Final Reality V1.01—BenchMark Test (Reality Marks)		
2D Image	20.98	
3D	6.48	
Bus transfer	26.59	
Overall	13.85	Reality marks
3Dmark2001SE Pro (Demo version)		
3Dmark2001SE Build 330 Benchmark mode	1272	
PCMark2002		
CPU	4987	
Memory	3586	
HDD	655	
PCMark05		
PCMark	N/A	
CPU	2362	
Memory	1677	
Graphics	N/A	
HDD	2870	