

# P5 Verification Test Report

Release No: 09P010006

Product Model	<b>ONYX-192</b>
Description	<b>Intel ULV Celeron M Sub Compact Board</b>
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : GENE-8310 A1.2 <input checked="" type="checkbox"/> BIOS : ONYX-192 BIOS Rev. 1.0 (2009/3/6)  <input checked="" type="checkbox"/> Chipset : <input checked="" type="checkbox"/> North Bridge : Intel 852GM <input checked="" type="checkbox"/> South Bridge : Intel ICH4 <input checked="" type="checkbox"/> VGA Chipset : Intel 852GM integrated VGA <input checked="" type="checkbox"/> Audio Chipset : Realtek ALC655 2CH <input checked="" type="checkbox"/> Ethernet Chipset : Intel 82562 10/100Mb Chip <input checked="" type="checkbox"/> I/O Chipset : ITE 8712IX <input checked="" type="checkbox"/> TV Chipset : N/A  <input checked="" type="checkbox"/> Remark : QE P5 Report for ONYX-192 Test Report
<b>Test Result Summary</b>	
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____	

2009/05/19

Issue date

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Manager

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Test Engineer

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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
PCB Model / Version	GENE-8310 A1.2
BIOS / Version	ONYX-192 BIOS Rev. 1.0 (2009/3/6)
CPU Type	Intel ULV Celeron-M 400MHz / 1.3GHz
Memory Type	Transcend 1GB DDR333 SODIMM
SATA	N/A
Primary IDE Master	Fuitsu MHW2080AT ATA133 80GB 2.5" PATA
Primary IDE Slave	N/A
CRT	ViewSonic E70
LCD	AUO M190EG01 / 19" / 1280x1024 / 48bbit
Compact Flash	N/A
Backplane	N/A
Riser Card	N/A
Operating System	Windows XP Professional English Version V2002 Service Pack 3
	Windows 2000 Professional Service Pack 4 V5.00.2195
Adapter	SINPRO MPU100-108 output:24V / 4.16A

## Test Result for Certification

### 1. I/O Peripheral Function Test

I/O Function	Result			Note
	Pass	Fail	N/A	
<b>Floppy Connector / Driver A:</b>			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	Transcend / TS512MDOM40V / 512MB / IDE 40 Pin
DOM (Disk On Module) – 44 Pin			X	Transcend / TS512MDOM44V / 512MB / IDE 44 Pin
COM 1-232	X			CN18
COM 2-232	X			CN6
COM 2-422	X			
COM 2-485	X			Gene-8310 A1.1 no support auto
COM 2-Ring	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	
IrDA			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	
DVI Function			X	

DIO Connector			X	Address: 801H
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	SHARP LCDTV LC-20S5T
TV-out / AV Terminal			X	SHARP LCDTV LC-20S5T
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	Result			Notes
	Pass	Fail	N/A	
Power On Button	X			
IDE LED			X	CFD LED & IDE LED
External Buzzer	X			
On Board Buzzer	X			
Power LED	X			
Reset Switch			X	
Keyboard Lock			X	
Jumpers Function	Result			Notes
	Pass	Fail	N/A	
ATX simulates AT			X	
Audio Out Selection (W/O & W/ Amplifier)			X	
LCD Voltage Selection			X	JP2
COM2-Ring/5V Selection			X	JP5
COM2 RS-232/422/485 Selection			X	
Clear CMOS	X			JP1
Touch Screen Operating Mode Selection			X	
Clock Shift of TFT LCD			X	
CF Card Power +5V/+3.3V Selection			X	JP9
Power Connector & Function	Result			Notes
	Pass	Fail	N/A	
ATX Power Connector			X	
ATX Power 12V Connector			X	
AT Power Connector (P8 & P9)			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			Notes
	Pass	Fail	N/A	
LAN Link / Speed LED	X			LAN1

	LAN2			X	
LAN Active LED	LAN1	X			
	LAN2			X	
LAN 10/100 Ethernet		X			
LAN 1G Ethernet				X	HUB:D-Link DGS-1008T
PCI Connector & Function	Result			Notes	
	Pass	Fail	N/A		
Mini PCI Slot		X			
PCI Slot				X	
PCI Express				X	NW-200503 / NW-200504

## 2. Timer Accuracy Test

System Clock & RTC Clock Test					
Test Method	Margin for error	Result			
		Pass	Fail	N/A	
RTC Clock in Power On Mode	±2 second during 24 hours	X			
RTC Clock in Power Off Mode	±2 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			

## 3. 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

## 4. Hardware Compatibility

CPU Compatible Test							
CPU Type		FSB	Prime95 Version	Result			
				Pass	Fail	N/A	
Intel Celeron M 1.3 GHz		400MHz	V.256	X			
Memory Compatibility Test							
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result		
					Pass	Fail	N/A
Transcend DDR333 SODIMM	TS128MSD64V3A -Samsung	166	1GB	V1.7	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

TFT LCD	Type	Voltage	Result		
			Pass	Fail	N/A
LVDS	AUO M190EG01 / 19" / 1280x1024 / 48bbit	N/A	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
	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)	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**

Model	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>			
<b>Model</b>	<b>Result</b>		
	<b>Pass</b>	<b>Fail</b>	<b>N/A</b>
Seagate / ST3160815A / 160GB /PATA-100			X
Fujitsu MHY2080BH 80GB 2.5" HDD / ATA-133 / SATA			X
Western Digital/WD8800AAJS / 80GB / SATA II			X
HITACHI HDP725025GLA380 / 250GB / SATA 3.0Gb/s			X
<b>IDE Cable Function test</b>			
<b>IDE Model</b>	<b>Result</b>		
	<b>Pass</b>	<b>Fail</b>	<b>N/A</b>
40 Pin Cable ATA100			X
44 Pin Cable ATA33			X
80 Pin Cable ATA100			X
<b>USB Function Test</b>			
<b>USB Basic Function Test</b>	<b>Result</b>		
	<b>Pass</b>	<b>Fail</b>	<b>N/A</b>
USB Controller	X		
USB 2.0 Controller	X		
USB Keyboard Support	X		
USB Mouse Support	X		
<b>USB 1.1 Compatible Test</b>	<b>Result</b>		
	<b>Pass</b>	<b>Fail</b>	<b>N/A</b>
USB 1.1 Compatible Test	X		
<b>USB 2.0 Compatible Test</b>	<b>Result</b>		
	<b>Pass</b>	<b>Fail</b>	<b>N/A</b>
USB 2.0 Compatible Test	X		
<b>USB 2.0 Function Test</b>	<b>Result</b>		
	<b>Pass</b>	<b>Fail</b>	<b>N/A</b>
Install Windows XP Professional from HighSpeed Device: USB2.0 DRW-1604P-D/WHT/G/ASUS	X		
<b>USB Device Full Loading Test</b>			
<b>Model</b>	<b>Pass</b>	<b>Fail</b>	<b>N/A</b>
BENQ 4824WI-ON2	X		
Mitsumi FLL3.5 D353GUE/FUE	X		
USB HDD 20GB	X		
USB Card Reader	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: BF				X	
Output Address: 33				X	
VCC: (5V), Position : ( 801 )				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	
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	<b>Result</b>			
	<b>Pass</b>	<b>Fail</b>	<b>N/A</b>	
COM Port Burn In Test overnight	X			
<b>Disk On Module [DOM] Compatibility Test</b>				
<b>Model</b>	<b>Interface</b>	<b>Result</b>		
		<b>Pass</b>	<b>Fail</b>	<b>N/A</b>
Transcend / TS512MDOM40V / 512MB	IDE 40 Pin			X
Transcend / TS512MDOM44V / 512MB	IDE 44 Pin			X
<b>Mini PCI Card Compatibility Test</b>				
<b>Model</b>	<b>Interface</b>	<b>Result</b>		
		<b>Pass</b>	<b>Fail</b>	<b>N/A</b>
PCI 10/100 LAN Mini PCI Card (Model:PER-C10L)	LAN			X
GM-101 WLAN 11b/g 54Mbps Mini PCI Card (Model: VNT6655AM)	WLAN			X
COM/LPT Ports & RS-232/422/485 Function Test	<b>Result</b>			
	<b>Pass</b>	<b>Fail</b>	<b>N/A</b>	
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
<b>Card Bus(PCMCIA) Compatibility Function Test</b>				
<b>Model</b>	<b>Result</b>			
	<b>Pass</b>	<b>Fail</b>	<b>N/A</b>	
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

## 5. O.S. Compatibility Test

Installation Operation System Compatibility Test	<b>Result</b>		
	<b>Pass</b>	<b>Fail</b>	<b>N/A</b>
[ ] Linux-Red Hat 9.0 or [ X ] Fedora Core 9			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- 2.6.25-14.FC9	Chipset Software	Default Driver			X
	Graphics Media	Default Driver			X
	LAN Driver	Default Driver			X
	Audio Driver	Default Driver			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 Software Installation Utility 6.0.1.1002	X		
	Graphics Media	Intel(R) 82852/82855 GM/GME Graphics Controller 6.14.10.4497 (2/07/2006)	X		
	LAN Driver	Intel(R) PRO/100 VE Network Connection 7.1.12.0 (2/10/2004)	X		
	Audio Driver	Realtek AC'97 Audio 5.10.0.5630 (7/1/2004)	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	Intel(R) Chipset Software Installation Utility 6.0.1.1002	X		
	Graphics Media	Intel(R) 82852/82855 GM/GME Graphics Controller 6.14.10.4497 (2/7/2006)	X		

	LAN Driver	Intel(R) PRO/100 VE Network Connection 7.1.12.0 (2/10/2004)	X		
	Audio Driver	Realtek AC'97 Audio 5.10.0.5630	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

## 6. 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>			
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 / DVI / HDMI //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		

## 7. Performance Test

### Platform Information

PCB Model / Version	GENE-8310 A1.2
BIOS	ONYX-192 BIOS Rev. 0.5 (12/26/2008)
Operating System	Windows XP Professional English Version V2002 Service Pack 3
CPU	Intel ULV Celeron-M 400MHz / 1.3GHz
Memory	Transcend 1GB DDR333 SODIMM
SATA HDD	N/A
Primary IDE Master	Fujiitsu MHW2080AT ATA133 80GB 2.5" PATA
Primary IDE Slave	N/A
CRT	ViewSonic E70
LCD	AUO M190EG01 / 19" / 1280x1024 / 48bbbit
Compact Flash	N/A
Backplane	N/A
Riser Card	N/A
Chipset Software	Intel(R) Chipset Software Installation Utility 6.0.1.1002
Graphics Media	Intel(R) 82852/82855 GM/GME Graphics Controller 6.14.10.4497 (2/07/2006)
LAN Driver	Intel(R) PRO/100 VE Network Connection 7.1.12.0 (2/10/2004)
Audio Driver	Realtek AC'97 Audio 5.10.0.5630 (7/1/2004)
Touchscreen Driver	Touchkit Rev. 4.3.7.3203 (2006/08/03)
Adapter	SINPRO MPU100-108 output:24V/4.16A

### Test result:

Testing Software	Result	Unit
<b>PCMark2002</b>		
CPU	4182	
Memory	2383	
HDD	716	
<b>Final Reality V1.01—BenchMark Test</b>		
2D image	14.38	
3D	5.69	

Bus transfer	16.65	
Overall	9.94	Reality marks
3Dmark2001SE Pro (Demo version)		
3DMark2001SE Build 330_Benchmark mode	965	

**Test Result:**

Testing Software	Result	Unit
<b>PCMark05</b>		
PCMark	N/A	PCMarks
CPU	N/A	
Memory	N/A	
Graphics	N/A	
HDD	N/A	
<b>3Dmark2003 v360</b>		
3Dmark Score	52	

Remark: Please uses below two performance software to test main board if the chipset is new enough.

(ex. Intel Core 2 Duo CPU)