

P5 Verification Test Report

Release No: 09E010038

Product Model	COM-945
Description	Intel 945GME+ICH7-M COM Express Board
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> CPU Board : COM-945 A2.0-A <input checked="" type="checkbox"/> BIOS : COM-945 A2.0 BIOS Rev 1.1 (07/08/2009) <input checked="" type="checkbox"/> Carrier Board : ECB-916M A1.0 <input checked="" type="checkbox"/> Chipset : <input checked="" type="checkbox"/> CPU : Intel® Core™2 CPU T7400 2.16GHz <input checked="" type="checkbox"/> North Bridge : Intel 945GME <input checked="" type="checkbox"/> South Bridge : ICH7-M <input checked="" type="checkbox"/> VGA Chipset : Mobile Intel® 945 Express Chipset Family <input checked="" type="checkbox"/> Audio Chipset : Realtek ALC888/S/T@Intel 82801 GBM ICH7-M <input checked="" type="checkbox"/> Ethernet Chipset : Intel 82573L Gigabit Ethernet. Co-lay Intel lu82562EZ 10/100 <input checked="" type="checkbox"/> I/O Chipset : ICH7-M(ITE IT8712F-A/IX-L on the carrier board) <input checked="" type="checkbox"/> Remark : QE P5 Report for COM-945 A2.0
Test Result Summary	
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____	

2009/08/20

Issue date

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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	COM-945 Rev:A2.0-A
Carrier Board	ECB-916M Rev:A1.0
BIOS / Version	COM-945 A2.0 BIOS Rev 1.1 (07/08/2009)
CPU Type	Intel Celeron M 440. 1.86GHz
	Intel® Core™2 CPU T7400 2.16GHz
Memory Type	Transcend DDR2 667 SODIMM 2GB
SATA HDD	FUJITSU 2.5" SATA HDD 80GB
SATA DVD	ASUS DRW-2014L1T DVD
Primary IDE Master	FUJITSU 2.5" SATA HDD 80GB
Primary IDE Slave	Seagate ST340014A 40GB
CRT	Pioneer DVD-ROM DVD-128A
LCD	AU G084SN05 V.3 / 800x600x18bit / 8.4" / 3.3V LVDS Panel
Compact Flash	Transcend CF card 4GB
Riser Card	N/A
Backplane	N/A
Operating System	<input type="checkbox"/> Linux-RedHat 9.0 or <input checked="" type="checkbox"/> Fedora Core 5.0
	Windows Vista™ Ultimate x64 Edition English Version
	Windows XP Professional English Version V2002 Service Pack 3
Power Supply	ATX Power : Seventeam / ST-300BLP /300W
	AT Power : AT 200703

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
Onboard Debug LED	X		
DOM (Disk On Module) – 40 Pin	X		
DOM (Disk On Module) – 44 Pin			X
COM 1-232	X		
COM 2-232	X		
COM 3-232	X		
COM 4-232	X		
COM 2-422	X		
COM 2-485 Auto Flow	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		
SIR / 115.2 Kbps			X
FIR / 4M bps			X
USB 1/2 Ports	X		
USB 3/4 Ports	X		
USB 2.0 1/2 Ports	X		
USB 2.0 3/4 Ports	X		
DVI Function			X
DIO Connector	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	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 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		
	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		
		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

PCB Model / Version / CPU Board	COM-945A2.0-A
Carrier Board	ECB-916M RevA1.0
BIOS	COM-945A2.0 BIOS Rev 1.1 (06/09/2009)
Operating System	Windows XP Professional SP3
CRT	ViewSonic E70 17"
LCD	N/A
Compact Flash	N/A
Backplane	N/A
Riser Card	N/A
Power Supply	ATX Power Supply : PRM400
	AT Power Supply: N/A

Test Environment	ATX Power: PRT PRM400		AT Power:		Note
	Power (W)	Efficiency (%)	Power (W)	Efficiency (%)	
Model					
CPU	Intel® Core™2 CPU T7400 2.16GHz				S1 Mode
HDD	Fujitsu 2.5" PATA HDD 80GB				
RAM	Transcend DDR2 667 SODIMM 2GB				
OS Environment	Windows XP Professional SP3				
Normal Mode (+5V)	0.82	A	-----	A	
Suspend Mode (+5V)	0.42	A	-----	A	
5VSB in Power Off Mode (just for ATX)	0.2	A	-----	A	
5VSB in Power On Mode (just for ATX)	0.07	A	-----	A	

5VSB in Suspend Mode-S1 (just for ATX)	0.23	A	-----		
Normal Mode (+12V)	3.97	A	-----	A	
Suspend Mode (+12V)	1.58	A	-----	A	
Normal Mode (+3.3V) (just for ATX)	0	A	-----	A	
Suspend Mode (+3.3V) (just for ATX)	0	A	-----	A	
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. Power Connector Test (110V / 220V)

Test Method	Result		
	Pass	Fail	N/A
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

4. 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		

5. 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	10/100/1000	D-Link DGS-1008T	100M	1GBps	1000	X		

LAN1	Mbps	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		

6. Hardware Compatibility

CPU Compatible Test							
CPU Type	FSB	Prime95 Version	Result				
			Pass	Fail	N/A		
Intel Celeron M 440. 1866MHz	533	V.256	X				
Intel Core™2 CPU T7400 2.16GHz	667	V.256	X				
Memory Compatibility Test							
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result		
					Pass	Fail	N/A
Transcend	SEC 752 ZCE6 K4T1G084QD	DDR2-667	2GB	1.7	X		
Transcend	ELPIDA E5108AJBG-6E-E	DDR2-667	1GB	1.7	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		
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)	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 B121EW09 V.0 / 12.1" / 1280*800 / 18bit (16:10)				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	
CHAINTECH 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
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
SEAGATE IDE 3.5 ST340016A 40GB	X		
SEAGATE IDE 3.5 ST340014A 40GB	X		
Western Digital 3.5" SATA HDD 160GB	X		
Seagate 3.5" SATA SATA HDD 80GB	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		

USB Device Full Loading Test		Result			
Model		Pass	Fail	N/A	
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		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
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		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

7. O.S. Compatibility Test

Installation Operation System Compatibility Test		Result			
		Pass	Fail	N/A	
[] Linux-Red Hat 9.0 or [X] Fedora Core 5		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 5 /Kernel- 2.615-1.2054 FC5	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	Intel Chipset Device Software Ver.8.13.1.1009 Date:7/26/2007	X		
	Graphics Media	Mobile Intel® 945 Chipset Ver. 7.14.10.1346 date:10/31/2007	X		
	LAN Driver	Intel PRO/1000 PL Network Connection Ver.9.12.1710 Date:2/6/2008	X		
	Audio Driver	Realtek High Definition Audio Ver:6.0.1.5618 Date:5/7/2008	X		
Windows XP Professional English Version V2002 Service Pack 3	Chipset Software	Intel ® Chipset Device Software 3200/3210 Chipset (07/26/2007) 8.3.1.1009	X		
	Graphics Media	Mobile Intel® 945 Chipset (08/24/2007) 6.14.10.4864	X		

	LAN Driver	Intel® PRO/1000 PL Network Connection (12/04/2008) 9.12.36.0	X		
	Audio Driver	Realtek High Definition Audio (05/07/2008) 5.10.0.5618	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

8. 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 / 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		

9. Performance Test

Platform Information

CPU Board	COM-945A2.0-A
Carrier Board	ECB-916M RevA1.0
BIOS	COM-945A2.0 BIOS Rev 1.1 (06/09/2009)
Operating System	English Windows XP Professional Service Pack 3
CPU	Intel® Core™2 CPU T7400 2.16GHz
Memory	Transcend DDR2 667 SODIMM 2GB
SATA HDD	Fujitsu 2.5" SATA HDD 80GB
Primary IDE Master	N/A
Primary IDE Slave	Pioneer DVD-ROM DVD-128A
CRT	ViewSonic E70
LCD	N/A
Compact Flash	N/A
Expansion Board	N/A
Chipset Software	Intel® Chipset Device Software 3200/3210 Chipset (07/26/2007) 8.3.1.1009
Graphics Media	Mobile Intel® 945 Chipset (08/24/2007) 6.14.10.4864
LAN Driver	Intel® PRO/1000 PL Network Connection (12/04/2008) 9.12.36.0
Audio Driver	Realtek High Definition Audio (05/07/2008) 5.10.0.5618
Touchscreen Driver	USB Touchkit Ver.5.0.1.5310 Driver:04/10/2008
Power Supply	PRT PRM400

Test result:

Testing Software	Result	Unit
PCMark2002		
CPU	8559	
Memory	26579	
HDD	1158	
Final Reality V1.01—BenchMark Test		
2D image	46.86	
3D	7.07	
Bus transfer	71.80	
Overall	28.72	Reality marks
3Dmark2001		
3DMark2001SE Build 330_Benchmark mode	5482	

Test Result:

Testing Software	Result	Unit
PCMark05		
PCMark	3414	PCMarks
CPU	N/A	
Memory	N/A	
Graphics	N/A	
HDD	N/A	
3Dmark2003 v360		
3Dmark Score	1146	

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

(ex. Intel Core 2 Duo CPU)