

P5 Verification Test Plan

Release No : 08I010011

Product Model	IMBA-910
Description	Intel Conroe Broadwater Q965 Solution
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : IMBA-910 Rev 0.3 <input checked="" type="checkbox"/> BIOS : IMBA-910 BIOS Rev 1.0 (04/16/2008) for 566DM LAN <input checked="" type="checkbox"/> Chipset : <input checked="" type="checkbox"/> North Bridge : Intel Q965/Q963 Express Family <input checked="" type="checkbox"/> South Bridge : Intel ICH8DO <input checked="" type="checkbox"/> VGA Chipset : Intel Q965/Q963 Express Family <input checked="" type="checkbox"/> Audio Chipset : N/A <input checked="" type="checkbox"/> Ethernet Chipset : Intel 82562V 10/100 Network Connection <input checked="" type="checkbox"/> I/O Chipset : ICH8DO+Winbond W83627HG <input checked="" type="checkbox"/> TV Chipset : N/A <input checked="" type="checkbox"/> Remark : QE P5 Report for IMBA-910 A0.3
Test Result Summary	
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____	

2008/05/15

Issue date

Wenyuan Yang

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	Test Item
PCB Model / Version	IMBA-910 Rev 0.3	
BIOS / Version	IMBA-910 BIOS Rev 1.0 (04/16/2008) for 566DM LAN	
CPU Type	Intel Pentium D 3.2GHz / L2: 2MB / FSB: 800MHz (840 Sequence) LGA775 Socket CPU	
Memory Type	Transcend SDRAM 0634SP V59C1512804QBF25 1GMB Transcend SDRAM SEC 640 ZCE7 K4T510830C 1GMB	
SATA HDD	WD1200BEVS WD SATA H.D 120Gb WD1600AAJS WD SATA H.D 160Gb	
Primary IDE Master	ASUS-DVD E818A BENQ-DVD 1650V	
Primary IDE Slave	N/A	
CRT	ViewSonic E70 17"	
LCD	N/A	
Compact Flash	N/A	
Riser Card	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 7.0	7
	Windows Server 2003 English Version / Standard Edition 5.2.3790	1,3,4,5,6,7,8
	Windows Server 2003 English Version /Standard x64 Edition	1,3,4,5,6,7,8
	Windows XP Professional English Version V2002 Service Pack 2	1,2,3,4,5,6,7,8,9
	Windows XP Professional Simplified-Chinese Version V2002 Service Pack 2	N/A
	Windows XP Professional Japanese Version V2002 Service Pack 2	N/A
	Windows XP Professional English Version /Standard x64 Edition	1,3,4,5,6,7,8
	Windows 2000 Professional English Version V5.00.2195 Service Pack4	1,3,4,5,6,7,8
	Windows 2000 Professional Simplified-Chinese Version V5.00.2195 Service Pack4	N/A
	Windows 2000 Professional Japanese Version V5.00.2195 Service Pack4	N/A
	Windows Server 2000 English Version	1,3,4,5,6,7,8
	Windows 98SE English Version V4.10.2222A	N/A
	MS-DOS 6.22 English Version	7
Power Supply	ATX Power : AOpen AO350-12AHN 350W	1,3,4,5,6,7,8
	AT Power : N/A	1,3,4,5,6,7,8

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 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		
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)	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
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	Result		
	Pass	Fail	N/A
ATX 24 Pin 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 Speed LED	LAN1	X		
	LAN2	X		
LAN Active LED	LAN1	X		
	LAN2	X		
LAN Link 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		

2. Power Consumption Test (Run Prime95 Program)

Platform Information

PCB Model / Version	IMBA-910 A0.3
BIOS	IMBA-910 BIOS Rev 1.0 (04/16/2008) for 566DM LAN
Operating System	Windows XP Professional English Version V2002 Service Pack 2
CPU	Intel Pentium D 3.2GHz / L2: 2MB / FSB: 800MHz (840 Sequence) LGA775 Socket CPU
Memory	Transcend SDRAM 0634SP V59C1512804QBF25 1GMB Transcend SDRAM SEC 640 ZCE7 K4T510830C 1GMB
SATA HDD	WD1200BEVS WD SATA H.D 120Gb WD1600AAJS WD SATA H.D 160Gb
Primary IDE Master	ASUS-DVD E818A BENQ-DVD 1650V
Primary IDE Slave	N/A
CRT	ViewSonic E70 17"
LCD	N/A
Compact Flash	N/A
Backplane	N/A
Riser Card	N/A
Chipset Software	Intel® Chipset Software Installation Utility 8.1.1.1001
Graphics Media	Intel® Q965/Q963 Express Chipset Family 6.14.10.4820 4/16/2007
LAN Driver	Intel 82562V 10/100 Network Connection-9.10.8.0-8/30/2007
Audio Driver	N/A
Touchscreen Driver	N/A
Power Supply	AOpen AO350-12AHN 350W

Model	Test Environment	ATX Power: Seventeam ST-400EAG-05F (12V for CPU use: 6 Pin)	ATX Power: AOpen AO350-12AHN 24 Pin Power	Note	
		CPU: Intel Pentium D 3.2GHz / L2: 2MB / FSB: 800MHz (840 Sequence) LGA775 Socket CPU	CPU: Intel Pentium D 3.4GHz / L2: 4MB / FSB: 800MHz (945 Sequence) LGA775 Socket CPU		
OS Environment		Windows XP ACPI		Windows XP ACPI	
Normal Mode (+5V)		5.24	A	4.16	A
Suspend Mode (+5V)		3.81	A	2.91	A
5VSB in Power Off Mode (just for ATX)		0.23	A	0.38	A
5VSB in Power On Mode (just for ATX)		0	A	0	A
Normal Mode (+12V)		13.23	A	9.42	A
Suspend Mode (+12V)		5.08	A	3.59	A
Normal Mode (+3.3V) (just for ATX)		2.21	A	2.37	A
Suspend Mode (+3.3V) (just for ATX)		2.11	A	2.20	A
Normal Mode (-12V)		0	A	0	A
Suspend Mode (-12V)		0	A	0	A
Normal Mode (-5V)		N/A	A	N/A	A
Suspend Mode (-5V)		N/A	A	N/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
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		

5. 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	HP J4095A 24 Ports	100M	100 MBps	100	X			
		D-Link DGS-1008T	100M	1GBps	1000	X			
		D-Link DES-1316 PoE Switch	100M	100 MBps	100	X			
		Intel InBusiness 8 Port	100M	100 MBps	100	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 Pentium D 3.2GHz / L2: 2MB / FSB: 800MHz (840 Sequence) LGA775 Socket CPU	800	V2414	X				
Intel Core 2 Duo E4300 / 1.8GHz / L2: 2MB / FSB: 800MHz LGA775 Socket CPU	800	V2414	X				
Memory Compatibility Test							
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result		
					Pass	Fail	N/A
Transcend SDRAM	0634SP V59C1512804QBF25	800	1Gb	V1.65	X		
Transcend SDRAM	SEC 640 ZCE7 K4T510830C	800	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
	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		
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
WD1200BEVS WD SATA H.D 120Gb	X		
WD1600AAJS WD SATA H.D 160Gb	X		
CD/DVD-ROM Compatibility Test			
Model	Result		
	Pass	Fail	N/A
BenQ DW1655 OB2 16 x DVD ReWriter	X		
ASUS-DVD E818A 16x DVD	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			
Model	Result		
	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 Thumb drive Transcend 256MB		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 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
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
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-RedHat 9.0 or [] Fedora Core 4.0 [X] Fedora Core 7.0			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 2			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 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
Linux-Red-Hat 9.0 / Kernel 2.4.20-8	Chipset Software	Use default setting	X		
	Graphics Media	Use default setting	X		
	LAN Driver	Use default setting	X		
	Audio Driver	Use default setting	X		
Windows Server 2003 English Version Standard Edition 5.2.3790	Chipset Software	8.1.1.1001	X		
	Graphics Media	5.2.3790.0	X		
	LAN Driver	9.8.20.0 9.8.20.0	X		
	Audio Driver	N/A			X
Windows Server 2003 English Version Standard x64 Edition	Chipset Software	8.1.1.1001	X		
	Graphics Media	5.2.3790.1830	X		
	LAN Driver	9.10.8.0 9.10.8.0	X		
	Audio Driver	N/A			X
Windows XP Professional English Version V2002 Service Pack 2	Chipset Software	8.3.1.1009	X		
	Graphics Media	6.14.10.4935	X		
	LAN Driver	9.10.8.0 9.10.8.0	X		
	Audio Driver	N/A			X
Windows XP Professional Simplified-Chinese Version V2002 Service Pack 2	System				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows XP Professional Japanese Version	System				X
	Graphics Media				X

V2002 Service Pack 2	LAN Driver				X
	Audio Driver				X
Windows XP Professional x64 Edition English Version Service Pack 2 V2002	Chipset Software	8.3.1.1009	X		
	Graphics Media	6.14.10.4820	X		
	LAN Driver	9.10.8.0 9.10.8.0	X		
	Audio Driver	N/A			X
Windows 2000 Professional English Version V5.00.2195 Service Pack 4	Chipset Software	8.3.1.1009	X		
	Graphics Media	6.14.10.4820	X		
	LAN Driver	9.8.20.0 9.8.20.0	X		
	Audio Driver	N/A			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	8.3.1.1009	X		
	Graphics Media	6.14.10.4820	X		
	LAN Driver	9.8.20.0 9.8.20.0	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

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			
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		
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

PCB Model / Version	IMBA-910 Rev 0.3
BIOS	IMBA-910 BIOS Rev 1.0 (04/16/2008) for 566DM LAN
Operating System	Windows XP Professional V2002 Service Pack 2
CPU	Intel Pentium D 3.2GHz / L2: 2MB / FSB: 800MHz (840 Sequence) LGA775 Socket CPU
Memory	Transcend SDRAM 0634SP V59C1512804QBF25 1Gmb Transcend SDRAM SEC 640 ZCE7 K4T510830C 1Gmb
SATA HDD	WD1200BEVS WD SATA H.D 120Gb WD1600AAJS WD SATA H.D 160Gb
Primary IDE Master	WD1200BEVS WD SATA H.D 120Gb WD1600AAJS WD SATA H.D 160Gb
Primary IDE Slave	N/A
CRT	ViewSonic E70 17"
LCD	N/A
Compact Flash	N/A
Backplane	N/A
Riser Card	N/A
Chipset Software	Intel® Chipset Software Installation Utility
Graphics Media	Intel® Q965/Q963 Express Chipset Family
LAN Driver	Intel 82562V 10/100 Network Connection
Audio Driver	N/A
Touchscreen Driver	N/A
Power Supply	AOpen AO350-12AHN 350W

Test result:

Final Reality V1.01—BenchMark Test (Reality Marks)		
2D Image	39.53	
3D	4.09	
Bus transfer	87.46	
Overall	27.23	Reality marks
PCMark2002		
CPU	7067	
Memory	14840	
HDD	1545	
3Dmark2001SE Pro (Demo version)		
3Dmark2001SE Build 330_Benchmark mode	5023	
PCMark05		
PCMark	3347	
CPU	4605	

Memory	3986	
Graphics	1191	
HDD	5207	
3Dmark2003 v360		
3Dmark Score	1452	
CPU Score	646	