

QE 【Workstation / Panel PC】 P5 Verification Test Plan

Release No : 08P010007

Product Model	AOP-8150WT-A3A4
Description	Fan-less C-M Operator Panel with 15" TFT LCD
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> System : AOP-8150WT-A3A4 <input checked="" type="checkbox"/> PCB : EMB-852T Rev:1.1 <input checked="" type="checkbox"/> BIOS : AOP-8150WT BIOS Rev A1.3 (6/2/2008) <input checked="" type="checkbox"/> Riser Card : N/A <input checked="" type="checkbox"/> Inverter :HWA YOUN QF83V3.21(S) ; 12541QF832 <input checked="" type="checkbox"/> Daughter Board : N/A <input checked="" type="checkbox"/> I/O Board : T034 IO Board Rev 1.0 , T038 IO Board Rev 1.0 <input checked="" type="checkbox"/> LCD : CPT CLAA150XP03 15" <input checked="" type="checkbox"/> Touch Panel : Abon 5 wire TouchScreen <input checked="" type="checkbox"/> Card Reader : C200 Card Reader Rev:1.1 <input checked="" type="checkbox"/> M/B 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 <input checked="" type="checkbox"/> Audio Chipset : Realtek ALC65x <input checked="" type="checkbox"/> Ethernet Chipset :Realtek 8100C <input checked="" type="checkbox"/> I/O Chipset : ITE 8712 + Fintek 81216D <input checked="" type="checkbox"/> TV Chipset : Chronitel CH7009 <input checked="" type="checkbox"/> Remark : AOP-8150WT-A3A4 QE NPDP P5 External Report
Test Result Summary	
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____	

2008/06/11

Issue date

Wenyuan Yang

Manager

Eva Yeh

Test Engineer

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Platform Information:

Item	Device Information	Test Item
System	AOP-8150WT-A3A4	1,2,3,4,5,6,7
PCB Model / Version	EMB-852T A1.1	1,2,3,4,5,6,7
BIOS / Version	AOP-8150WT BIOS Rev A1.3 (6/2/2008)	1,2,3,4,5,6,7
CPU Type	Intel Celeron M 600MHz	1,2,3,4,5,6,7
Memory Type	DSL DDR333 1GB(Hynix HY5DU12822CTP-D43)	1,2,3,4,5,6,7
SATA	N/A	N/A
Secondary IDE Master	Fujitsu MHW2040AT 40GB	1,2,3,4,5,6,7
Secondary IDE Slave	TEAC DW-224E-B	1,2,3,4,5,6,7
CRT	ViewSonic E70 17"	1,2,3,4,5,6,7
LCD	CPT CLAA150XP03 15"	1,2,3,4,5,6,7
Compact Flash	N/A	N/A
Riser Card	N/A	N/a
Inverter	HWA YOUN QF83V3.21(S) ; 12541QF832	1,2,3,4,5,6,7
Daughter Board	N/A	N/A
I/O Board	T034 IO Board Rev 1.0 , T038 IO Board Rev 1.0	1,2,3,4,5,6,7
Card Reader	C200 Card Reader Rev:1.1	1,2,3,4,5,6,7
Touch Panel	Abon 5 wire TouchScreen	1,2,3,4,5,6,7
Operating System	[] Linux-RedHat 9.0 or [] Fedora Core 4.0	N/A
	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	1,2,3,4,5,6,7
	Windows XP Professional Simplified-Chinese Version V2002 Service Pack 2	5
	Windows XP Professional Japanese Version V2002 Service Pack 2	5
	Windows XP Professional English Version /Standard x64 Edition	N/A
	Windows 2000 Professional English Version V5.00.2195 Service Pack4	5
	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
Power Supply	AC Power : PPS100-31(71F) ,I/P(VAC) : 100-240 47~63Hz 3.15A ; O/P(VDC) : +5V / 12A , +12V / 4A , -12V / 0.6A Max 90W	1,2,3,4,5,6,7
	DC Power : SINPRO Switching Power Supply MPU100-108 ;Input : 100-240~47-63Hz 1.25-0.5A ; Output : 24V 4.16A	1,2,3,4,5,6,7

1. I/O Peripheral Function Test

The Result:

I/O Function	Result			Note
	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	Transcend / TS512MDOM40V / 512MB / IDE 40 Pin
DOM (Disk On Module) – 44 Pin	X			Transcend / TS512MDOM44V / 512MB / IDE 44 Pin
COM 1-232	X			
COM 2-232	X			
COM 2-422	X			
COM 2-485			X	ICP CON I-7044D D/IO Module EMB-852T MAIN BOARD no support.
COM 2-Ring /+5V /+12V			X	
COM 3-232	X			
COM 4-232	X			
COM 4-Ring /+5V /+12V	X			JP8
COM 5-232	X			
COM 6-Touch Screen	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 0 Ports	X			
USB 1 Ports	X			
USB 2 Ports	X			
USB 7/8 Ports			X	
USB 2.0 0 Ports	X			
USB 2.0 1 Ports	X			
USB 2.0 2 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			Onboard LCD
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	
Card Reader	X			USB interface
Front Panel	Result			Notes
	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			Notes
	Pass	Fail	N/A	
ATX simulates AT			X	
Audio Out Selection (W/O & W/ Amplifier)			X	
LCD Voltage Selection			X	
COM4-Ring/5V/12V Selection	X			JP8
COM2 RS-232/422/485 Selection	X			JP2&JP5
Clear CMOS	X			
Touch Screen Operating Mode Selection			X	
Clock Shift of TFT LCD			X	
Power Connector & Function	Result			Notes
	Pass	Fail	N/A	
AC Power Connector	X			
DC 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	LAN1	X		

	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
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		

3. 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	100	X			
		D-Link DES-1316 PoE Switch	100M	100 MBps					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			

4. Hardware Compatibility

CPU Compatible Test					
CPU Type	FSB	Prime95 Version	Result		
			Pass	Fail	N/A
Intel Celeron M 600MHz		V2414	X		
		V2414			

Memory Compatibility Test							
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result		
					Pass	Fail	N/A
Kingston DDR266 SDRAM 512MB	hynix HY5DU56822AT-H	266	512M	V1.65	X		
DSL 1GB DDR 333	Hynix HY5DU12822CTP-D43	333	1G	V1.65	X		
DSL 256MB DDR400	Hynix HY5DU56822BT-D43	400	512	V1.65	X		
DSL 256MB DDR333	SAMDUNG K4H560838H-VCB3	333	256	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				X
	AU M201UN02 V.5 / 20.1" / 1600x1200x48bit	5V			X
	AUO T370HW01 / 37" / 1920x1080 / 48bit				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
XWinFast PX6200 TC TDH PCI-Express x16 VGA Card			X

HDD Compatibility Test

Model	Result		
	Pass	Fail	N/A
IBM IC25N020ATCS04-0 / 20GB / 4200RPM 2.5"	X		
Fujitsu MHW2040AT 40GB	X		

CD/DVD-ROM Compatibility Test

Model	Result			
	Pass	Fail	N/A	
TEAC DW-224E-B	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			
	Pass	Fail	N/A	
Model				
DRW-1604P-D/WHT/G/ASUS (USB 0)	X			
Transcend JFV30 / 2GB (USB 1)	X			
1394b + USB2.0 External Box (USB 2)	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: 801H			X		
Output Address:801H			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 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 (Test on COM1~COM4)			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 Si13512ECTU128 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 datapaack DP-PCM2 / 2GB (PC Card TypeII HDD)			X	
PCi GW-NS54SG Cardbus Adapter Wireless LAN Type-II			X	
Modular System Industrial Workstation Function Test		Result		
		Pass	Fail	N/A
AC / DC power outlet / inlet		X		
Power On / Off		X		
Mechanism construction check		Result		
		Pass	Fail	N/A
Panel construction check		X		
Case construction check		X		
PCMICA construction check				X
I/O Port connector check		X		
USB connector check		X		
Component check		X		

5. O.S. Compatibility Test

Installation Operation System Compatibility Test		Result			
		Pass	Fail	N/A	
[] Linux-RedHat 9.0 or [] Fedora Core 4.0 [] Fedora Core 6.0				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				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 XP Professional English Version V2002 Service Pack 2	Chipset Software	Intel(R) Chipset Software Installation Utility 6.0.1.1002	X		
	Graphics Media	Intel(R) 82852/82855 GM/GME Graphics Controller 6.14.10.3865(7/1/2004)	X		
	LAN Driver	Realtek RTL8139/810X Family Fast Ethernet NIC 5.681.1120.2007(11/20/2007)	X		
	Audio Driver	Realtek AC'97 Audio 5.10.0.530 (7/1/2004)	X		
	Card Reader	USB Mass Storage Device 5.1.2600.0 (7/1/2001)	X		
	Touch Screen	PenMount DMC9000 and DMC9100 4.0.1.0 (3/28/2001)	X		

Windows XP Professional Simplified-Chinese Version V2002 Service Pack 2	Chipset Software	Intel(R) Chipset Software Installation Utility 6.0.1.1002	X		
	Graphics Media	Intel(R) 82852/82855 GM/GME Graphics Controller 6.14.10.3865(7/1/2004)	X		
	LAN Driver	Realtek RTL8139/810X Family Fast Ethernet NIC 5.681.1120.2007(11/20/2007)	X		
	Audio Driver	Realtek AC'97 Audio 5.10.0.530 (7/1/2004)	X		
	Card Reader	USB Mass Storage Device 5.1.2600.0 (7/1/2001)	X		
	Touch Screen	PenMount DMC9000 and DMC9100 4.0.1.0 (3/28/2001)	X		
Windows XP Professional Japanese Version V2002 Service Pack 2	Chipset Software	Intel(R) Chipset Software Installation Utility 6.0.1.1002	X		
	Graphics Media	Intel(R) 82852/82855 GM/GME Graphics Controller 6.14.10.3865(7/1/2004)	X		
	LAN Driver	Realtek RTL8139/810X Family Fast Ethernet NIC 5.681.1120.2007(11/20/2007)	X		
	Audio Driver	Realtek AC'97 Audio 5.10.0.530 (7/1/2004)	X		
	Card Reader	USB Mass Storage Device 5.1.2600.0 (7/1/2001)	X		
	Touch Screen	PenMount DMC9000 and DMC9100 4.0.1.0 (3/28/2001)	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 6.14.10.3865(7/1/2004)	X		
	LAN Driver	Realtek RTL8139/810X Family Fast Ethernet NIC 6.681.1120.2007(11/20/2007)	X		
	Audio Driver	Realtek AC'97 Audio 5.10.0.530	X		
	Card Reader	Genesys USB Mass Storage Device 5.0.2183.1	X		
	Touch Screen	PenMount DMC9000 and DMC9100 4.0.1.0	X		
Windows 2000 Professional Simplified-Chinese Version V5.00.2195 Service Pack 4	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows 2000 Professional Japanese Version V5.00.2195 Service Pack 4	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows Server 2000	Chipset Software				X

English Version	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		
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 (CRT only)	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		

7. Performance Test

Platform Information:

System	AOP-8150WT-A3A4
PCB Model / Version	EMB-825T A1.1
BIOS / Version	AOP-8150WT-AX BIOS Rev 1.3(7/16/2007)
Operating System	Windows XP Professional V2002 Service Pack 2
CPU	Intel Celeron M 600MHz
Memory	DSL 1GB DDR 333 (Hynix HY5DU12822CTP-D43)
SATA HDD	N/A
Secondary IDE Master	Fujitsu MHW2040AT 40GB
Secondary IDE Slave	TEAC DW-224E-B
CRT	ViewSonic E70 17"
LCD	CPT CLAA150XP03 15"
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 6.14.10.3865(7/1/2004)
LAN Driver	Realtek RTL8139/810X Family Fast Ethernet NIC 6.681.1120.2007(11/20/2007)
Audio Driver	Realtek AC'97 Audio 5.10.0.530 (7/1/2004)
Card Reader	USB Mass Storage Device 5.1.2600.0 (7/1/2001)
Touchscreen Driver	PenMount DMC9000 and DMC9100 4.0.1.0 (3/28/2001)
Power Supply	Sinpro MPU100-108 input:100-240V~47-63Hz 1.25-0. 5A Output: 24V, 4.16A Max

Test Result:

Testing Software	Result	Unit
ZD WinBench 99 V2.0		
Business Disk WinMark99	3680	Thousand bytes/sec
High-End Disk WinMark99	11800	Thousand bytes/sec
Business Graphics WinMark99	159	
High-End Graphics WinMark99	468	
PCMark2002		
CPU	1950	
Memory	2285	
HDD	397	
Final Reality V1.01—BenchMark Test		
2D image	7.67	
3D	3.95	
Bus transfer	18.89	
Overall	7.31	Reality marks
ZD 3D Winbench 2000 V1.1		
3D WinMark 2000	38.9	Frames / sec
3Dmark2001SE Pro (Demo version)		
3DMark2001SE Build 330_Benchmark mode	1249	
ZD Multimedia Content Creation Winstone 2004 V1.0.1 (Up Pentium III 800 MHZ CPU)		
Multimedia Content Creation Winstone 2004	8.9	
Business Winstone 2004 v1.0.1 (Up Pentium III 800 MHZ CPU)		
Business Winstone200	8.1	