

Report NO: 11P010009

AGP-3125

Fanless Touch Panel with Intel Core i7

P5 Test Report

Summary	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation (Comment: _____)			
	Test Results Category			
	Critical	Major	Minor	Enhancement
Defect Found	0	0	0	0
Defect Unsolved	0	0	0	0

Issue date	Approval	Test Engineer
_____	_____	_____
2011/5/24	Jansin Lee	Anderson Lin

Version Released Records

Date	Version	Change History	Note
2010/04/21	P3-1001	1. Re-composing test Items	
2010/06/01	P2P3-1001	1. New Test Report	
2010/06/21	P2P3-1002	1. Add BIOS -> SPI ROM Setting (South Bridge – GPIO)	
2010/12/02	P2P2-1003	1. New Test Report	
2011/02/23	P2P3-1101	1. Re-composing test Items	
2011/03/04	P2P3-1102	1. Add Specification Validation	

Note :

For all test items in this report, 3 results have been defined and described as following:

- Pass:** Functionality work perfectly
Fail: Functionality failed and must be resolved in the next version
N/A: Functionality Not Applicable or Not Available

This test report would be updated when re-test completed in product next change version.

Specification Validation

Main Specification

Item	Specification	Result			Note
		Pass	Fail	N/A	
Product Name	AGP-3125	<input checked="" type="checkbox"/>			
Construction	Aluminum front bezel and Aluminum back chassis	<input checked="" type="checkbox"/>			
CPU Board	IMBI-QM57	<input checked="" type="checkbox"/>			
Processor	Support Intel Core i7-620E/M, Core i7-620LE, Core i7-620UE, Core i5-520E/M, Core i3-330 E/M, Celeron P4500, P4505	<input checked="" type="checkbox"/>			
System Memory	DDR3 800/1066MHz (204pin) x 2, SO-DIMM, Max. 8GB	<input checked="" type="checkbox"/>			
Storage	Compact Flash Socket X 1 SATAII 3.5" HDD bay x 2, Support RAID 0,1,5,10	<input checked="" type="checkbox"/>			
Front I/O	2xUSB 2.0	<input checked="" type="checkbox"/>			
Rear I/O	Speaker x 2 WiFi x1 (reserve a hole)	<input checked="" type="checkbox"/>			
Bottom I/O	USB 2.0 x 4 RS-232 x 2 RS-232/422/485 x 1 LAN x 2 VGA x 1 PS2 x 1 Power input x 1 Audio x 3 ATX Power button	<input checked="" type="checkbox"/>			
Expansion	Mini PCIe Card x 1 PCI slot x2 PCIe slot x2	<input checked="" type="checkbox"/>			

O.S. Support

Item	Specification	Result	Note
Microsoft Windows	Windows XP Professional	<input checked="" type="checkbox"/>	
	Windows 7	<input checked="" type="checkbox"/>	
Linux	Fedora Linux	<input checked="" type="checkbox"/>	

Environmental Specifications

Item	Specification
Operating temperature	0°C ~ 50°C (HDD)
Storage temperature	-4 ~ 158° F (-20 ~ 70° C)

Storage humidity	5 ~ 90% @ 40C, non-condensing
Vibration	1g RMS / 5~ 500Hz / operation – With HDD
Shock	20G peak acceleration (11 msec. duration) – With HDD
Drop	76cm(1 Corner, 3 Edge, 6 Surface)
EMC	CE /FCC class A

Note: Please refer Environment Test Report for detail information

Platform Information

Item	Device Information	Test Item
System Model	AGP-3125	1,2,3,4,5,6,7,8,9
PCB Board	IMBI-QM57 A1.0	1,2,3,4,5,6,7,8,9
BIOS / Version	AGP-3125 BIOS Rev 1.1 (04/15/2011)	1,2,3,4,5,6,7,8,9
CPU Type	Intel(R) Celeron P4500 1.87GHz	1,2,3,4,5,6,7,8,9
Memory Type	Onboard SODIMM DDR3-1066 2GB	1,2,3,4,5,6,7,8,9
SATA HDD	Toshiba MK1665GSX 2.5" SATAII 160GB	1,2,3,4,5,6,7,8,9
LCD Monitor	HANNS.G LCD Monitor HK191H - HSG1049	1,2,3,4,5,6,7,8,9
LVDS	Onboard AUO G121XN01 V0	1,2,3,4,5,6,7,8,9
Operating System	[X] English Fedora 14 – Kernel 2.6.35.6- 45.fc14	7-1
	[X]Windows 7 Ultimate 32/64 Bit	7-2
	[X]Windows XP Professional English SP3 32 Bit	7-3
Power Supply	AC INPUT:100-220V	1,2,3,4,5,6,7,8,9

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1. OSD Control Function Test

1.1. OSD Control Test

OSD Control Function	Function			Note
	Pass	Fail	N/A	
Auto	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MENU	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
UP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DOWN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
POWER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EXIT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

1.2. OSD – On Screen Display Test

OSD –On Screen Display	Function			Note
	Pass	Fail	N/A	
Input Source	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OSD Control by system
PIP Enable	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Auto Tune	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Backlight	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Brightness	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Contrast	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Quality	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Position	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Language	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Recall	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Save Exit	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cancel Exit	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

1.3. OSD Light Test

OSD Control Function	Function			Note
	Pass	Fail	N/A	
Power off	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Power on	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stand by	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Into S1 / S3 and see light function

1.4. Modular System Industrial Workstation Function Test

Test Item	Result			Note
	Pass	Fail	N/A	
AC power outlet / inlet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Power On / Off	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Power LED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H.D.D LED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CD-ROM drive included	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Floppy drive included	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Lockable front-panel door	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Finger mouse	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
59 Data-entry&20/24 Function keys	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Mini PCI Wireless LAN Card	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bluetooth (Add on Mini PCI WL Card)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

1.5. Mechanism construction check

Test Item	Result			Note
	Pass	Fail	N/A	
Case construction check	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PCMICA construction check	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CF Card construction check	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
I/O Port connector check	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
USB connector check	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Component check	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

2. Basic Function Test

2.1. Video Function Test

2.1.1. Single Output Function Test

Note: Pay attention with Full Screen under POST screen and Text Mode.

Note: Pay attention with Full Screen under POST screen and Text Mode.													
Interface		AEC-6625											
VGA		CHIMEI 22SH-L											
DVI		CHIMEI 22SH-L											
HDMI		ViewSonic VT2430											
LVDS		N/A											
Color Quality		[X] 16bit [] 24bit [X] 32bit											
Resolution	VGA			DVI			LVDS			HDMI			Note
	Pass	Fail	N/A	Pass	Fail	N/A	Pass	Fail	N/A	Pass	Fail	N/A	
640X480			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
800X600	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
1024X768	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
1152X864			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
1280X600			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
1280X720			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
1280X768			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
1280X960			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
1280X1024			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
1366X768			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
1600X900			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
1600X1200			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
1600X1050			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
1792X1344			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
1856X1392			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
1920X1080			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
1920X1200			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
1920X1440			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
2048X1536			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Rotation	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			Rotation (0 / 90 /180 /270)

2.1.2. Dual Output Function Test

Selection	Output	Result			Note
		Pass	Fail	N/A	
Dual Display Clone	DVI + LVDS	<input checked="" type="checkbox"/>			
Dual Display Twin				<input checked="" type="checkbox"/>	
Extended Desktop		<input checked="" type="checkbox"/>			
Dual Display Clone	VGA + LVDS	<input checked="" type="checkbox"/>			
Dual Display Twin				<input checked="" type="checkbox"/>	
Extended Desktop		<input checked="" type="checkbox"/>			
Dual Display Clone	HDMI + LVDS	<input checked="" type="checkbox"/>			
Dual Display Twin				<input checked="" type="checkbox"/>	
Extended Desktop		<input checked="" type="checkbox"/>			
Dual Display Clone	DVI + VGA	<input checked="" type="checkbox"/>			
Dual Display Twin				<input checked="" type="checkbox"/>	
Extended Desktop		<input checked="" type="checkbox"/>			
Dual Display Clone	VGA + HDMI	<input checked="" type="checkbox"/>			
Dual Display Twin				<input checked="" type="checkbox"/>	

Extended Desktop		<input checked="" type="checkbox"/>			
Dual Display Clone	HDMI + DVI	<input checked="" type="checkbox"/>			
Dual Display Twin				<input checked="" type="checkbox"/>	
Extended Desktop		<input checked="" type="checkbox"/>			

2.1.3. Video Resolution Test

Test points:

1. Power on without inserting any VGA connector until system reaches Windows desktop
2. Plug VGA connector into test machine while system reaches Windows then check VGA driver and display
3. Check VGA output Brightness is normal and it shows "Ghost Image" / "Flicker" or not

	Result			Note
	Pass	Fail	N/A	
In Windows Desktop	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	







2.2. Audio Function Test

[] No Support

Function Test	Result			Note
	Pass	Fail	N/A	
L (Left) Channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R (Right) Channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CD_In	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Line In	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MICROPHONE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6-channel mode for 5.1 speaker output	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8-channel mode for 7.1 speaker output	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
S/P DIF function Test	Input	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Output	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

2.3. LAN Function Test

[] No Support

1000MBps LAN HUB		D-Link DGS-1008D							
100MBps LAN HUB		HP J4095A 24 Ports							
10MBps LAN HUB		SVEC FD916H							
OnBoard LAN1		Intel® Gigabit CT Desktop Adapter				MAC Address		00-07-32-16-19-F9	
OnBoard LAN2		Intel® 82577LM Gigabit Network Connection				MAC Address		00-07-32-16-19-F8	
LAN Speed	Link / Active LED	Speed LED	LAN 1			LAN 2			Note
			Pass	Fail	N/A	Pass	Fail	N/A	
1000MBps			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			
100MBps			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			
10MBps			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			
Wake On LAN			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			
Boot ROM to Novell 4.11 [RPL]					<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	

LAN Boot (PXE)	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			
Internet Browser (DHCP Server)	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			

2.3.2. Throughput Test

DUT Platform Information:

<input type="checkbox"/>	Fedora Core 13 Kernel 2.6.27
<input type="checkbox"/>	Cent 5.5 kernel 2.6.18-194.el5
<input checked="" type="checkbox"/>	Ubuntu 10.10 Kernel 2.6.35
<input type="checkbox"/>	Red Hat

Note : Connection-Level Performance (Interaction Constants Duration Time Set to 60 Sec.)

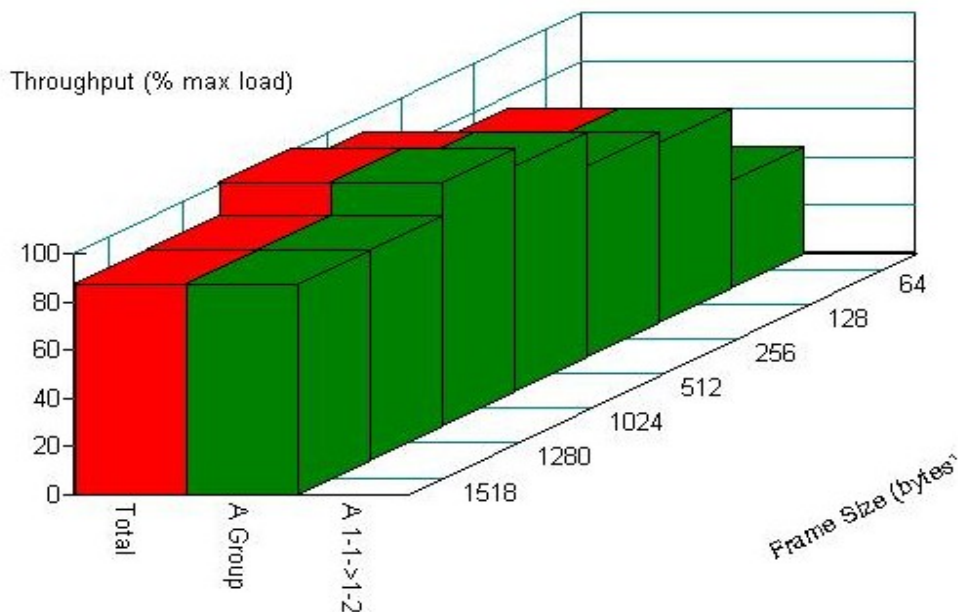
Graphics Media	Intel Graphics
LAN	LAN1→ Intel 82574L Ethernet: Intel® PRO/1000 Network Driver
	LAN2→ Intel 82577LM Ethernet: Intel® PRO/1000 Network Driver
Audio Driver	N/A

SMB Platform Information:

Chassis	SPIRENT Smartbits 600B
Chassis Version	2.80.003 (Cur) 2.50.000
Chassis Serial #	06014047
Library	6.00-29
API	5.50.42.01
File	0550042
Module	2 * LAN-3324A SmartMetrics XD 4-Port 10/100/1000Base-T Gigabit Ethernet
Test Software	SmartFlow5.50.42.1

Test Result:

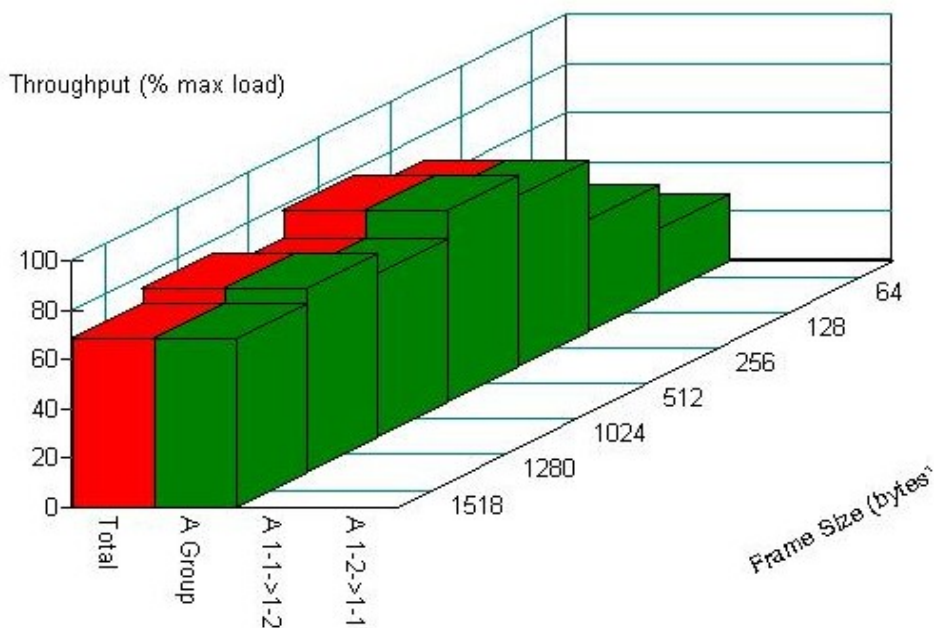
1. Half Direction (LAN1: Intel 82574L 10/100/1G Ethernet → LAN2: Intel 82577LM 10/100/1G Ethernet)



Throughput vs Frame Size

<u>Name/Frame size</u>	<u>64</u>	<u>128</u>	<u>256</u>	<u>512</u>	<u>1024</u>	<u>1280</u>	<u>1518</u>
Total	44.3125	73.703125	78.34375	93.0390625	100	86.8515625	86.8515625
A Group	44.3125	73.703125	78.34375	93.0390625	100	86.8515625	86.8515625
A 1-1->1-2	N/A	N/A	N/A	N/A	N/A	N/A	N/A

2. Binary Direction (LAN1: Intel 82574L10/100/1G Ethernet → LAN2: Intel 82577LM 10/100/1G Ethernet)



Throughput vs Frame Size

<u>Name/Framesize</u>	<u>64</u>	<u>128</u>	<u>256</u>	<u>512</u>	<u>1024</u>	<u>1280</u>	<u>1518</u>
Total	26.5234375	45.0859375	69.0625	76.796875	65.96875	73.703125	68.2890625
A Group	26.5234375	45.0859375	69.0625	76.796875	65.96875	73.703125	68.2890625
A 1-1->1-2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
A 1-2->1-1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

2.4. Optional Function Test

No Support

Function Test	Result			Note
	Pass	Fail	N/A	
3G Module	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GPRS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wireless LAN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Bluetooth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

3. Integration Test

Hardware Information with XP Professional English SP3 32 Bit Driver Version	
CPU	Intel(R) Celeron P4500 1.87GHz
Memory	Onboard SODIMM DDR3-1066 2GB
HDD/CFD	Toshiba MK1665GSX 2.5" SATAII 160GB

3.1. USB Port Integration Test

Item	USB Port	Boot			Function(XP)			Note
		Pass	Fail	N/A	Pass	Fail	N/A	
USB HDD		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
USB FDD Mitsumi D353GUE		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SONY USB2.0 DVD-R/W DRX-830UL		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
USB Hub Test (Connect USB Device) HUB Port1: USB Keyboard / HUB Port2: USB Mouse / HUB Port3: USB HDD								
USB 2.0 HUB PowerSync / USB 2.0 4 Port HU-155								<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

3.2. Digital I/O Port Test

DIO Address (___)	Result			Notes
	Pass	Fail	N/A	
DIO VCC +5V	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

3.3. COM Port Integration Test

Test Item	Result			Notes
	Pass	Fail	N/A	
Serial Modem Dial Out	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Serial Modem Ring In	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Test by Modem
Serial Modem +12V	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Test by Multimeter
Serial Modem +5V	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Test by Multimeter

3.4. RS-422 / RS-485 Test

Test Item	Result			Notes
	Pass	Fail	N/A	
RS-422 for COM2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Use loopback and WINSSD.exe to test RS-422 in Windows
RS-485 for COM2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Use ICP CON I-7044D D/IO Module in Windows(Support Auto flow control)
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The communication between the RS-485 pots of two boards is linked by one 100m cable on Windows Terminal

3.5. LPT Port Test

Test Item	Result			Notes
	Pass	Fail	N/A	
XEROX Phaser 3124 Laser Printer	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

3.6. Burn In Test

Under Room Temperature: 26 °C

Test Item	Result			Note
	Pass	Fail	N/A	
BurnIn Test V6.0 Pro	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Windows XP Professional English SP3 32 Bit

Note: COM PORT Speed Set to 115200.

4. Application Test

4.1. PCI Slot Function (PCI Adapter Card) Test [X] No Support

Adapter VGA Card	Set Simultaneous Display and Reboot			Note
	Pass	Fail	N/A	
CHAINTECH NVIDIA GeForce4 MX440-8X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Adapter Sound Card	Play Sound			Note
	Pass	Fail	N/A	
Creative Sound BLASTER Live5.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Adapter SCSI Card	Copy files to SCSI HDD			Note
	Pass	Fail	N/A	
ADAPTEC Ultra160 SCSI ASC-29160	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Adapter Image Capture Card	Connect to CCD			Note
	Pass	Fail	N/A	
I-VIEW CP-1400AS (with Age STD-477FAI CCD)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Adapter LAN Card	Connect to Internet			Note
	Pass	Fail	N/A	
Intel GD82559 10/100 Mbps Fast Ethernet Adapter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
INTEL PWLA8391GTBLK Pro/1000 Giga LAN Card	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Adapter RAID Card	RAID 0 , 1 , 10 Function Test			Note
	Pass	Fail	N/A	
ADAPTEC 1420SA RoHS 4-Port SATA II RAID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

4.2. PCI-Express Function Test [X] No Support

PCI-Express x1	Function Test			Note
	Pass	Fail	N/A	
SUNIX SATA1414 eSATA & SATAII x1Express card	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Syskonnect SK-9E21D 10 /100/1000 Base-T Adapter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PCI-Express x1 LAN Card	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PCI-Express x4	Function Test			Note
	Pass	Fail	N/A	
Adaptec AAR-1430SA SATAII HostRAID Controllers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PCI-Express x4 RAID Card	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PCI-Express x16	Function Test			Note
	Pass	Fail	N/A	
ASUS EAX1600PRO/TD/256M/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
(ATI Chipset) PCI-Express x16 VGA Card	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

WINFAST PX6200 TC TDH PCI-Express x16 VGA Card	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Express card	Function Test			Note
	Pass	Fail	N/A	
SUNIX SATA II Express card	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SunBox 34mm Giga LAN Express Card	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mini PCI Express Card	Function Test			Note
	Pass	Fail	N/A	
Ralink RT2571WF WLAN Mini Card (USB Interface)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sil3132 Mini PCI-E Function Test Card (USB Interface)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

4.3. Mini PCI Card Compatibility Test [X] No Support

Device Item	Function Test			Note
	Pass	Fail	N/A	
Mini PCI.10/100 Base-Tx LAN (W/Intel.82551QM .A1.0) (Model:PER-C10L)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GM-101 WLAN 11b/g 54Mbps Mini PCI Card (Model: VNT6655AM)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ADLINK mPCI-8750 ATI Rage XL Mini PCI VGA Card	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

4.4. CardBus (PCMCIA) Compatibility Function Test [X] No Support

Device Item	Bit	Function Test			Note
		Pass	Fail	N/A	
Intel PRO/Wireless 2011B LAN PC Card (WPC2011BWW)	Slot 1 (Up)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[PC-200200]
	Slot 2 (Down)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Kingston datapack DP-PCM2 / 2GB (PC Card TypeII HDD)	Slot 1 (Up)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[PC-200201]
	Slot 2 (Down)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PCi GW-NS54SG Cardbus Adapter Wireless LAN Type-II	Slot 1 (Up)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[PC-200502]
	Slot 2 (Down)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PCi GW-NS54SG Cardbus Adapter Wireless LAN Type-II	Slot 2 (Down)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[PC-200502]

4.5. ISA Slot Function Test [X] No Support

Test Item		Result			Note
		Pass	Fail	N/A	
SCSI Card	Adaptec AHA-1520B SCSI Card	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[SS-002]
LAN Card	NE2000 Compatible LAN Card (RTL8019AS)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[NW-014]
VGA Card	CIRRUS LOGIC 5429 FCC ID:ICUVGA-GWV27A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[VC-008]

4.6. Adapter Compatibility- Industry Control Card PC/104, PC/104+, PCI-104

[X] No Support

4.6.1. Device List: PC/104 Module

Test Item	Result			Notes
	Pass	Fail	N/A	
AAEON PCM-3660	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

4.6.2. Device List: PC/104+ Module

Test Item	Result			Notes
	Pass	Fail	N/A	
AAEON PCM-3430	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

4.6.3. Device List: PCI-104 Module

Test Item	Result			Notes
	Pass	Fail	N/A	
AAEON PCM-3730	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

4.6.4. Device List: PCI/104 Express Module

Test Item	Result			Notes
	Pass	Fail	N/A	
AAEON PER-123	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

4.7. SSD Modules Compatibility Test

SSD HDD Compatibility Test:

Cable Type: [] IDE [] SATA2 [] MLC [] SLC [X] No Support

Test Item	Result			Notes
	Pass	Fail	N/A	
Transcend SSD 16G - TS16GSSD25S	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

4.8. Peripheral Compatibility- Storage Device Test

4.8.1. Disk on Chip (DOC) Test [X] No Support

Test Item		Result			Notes
		Pass	Fail	N/A	
DOC 2000 Model	16MB	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M-System / MD2200-D16
DOC 2000 Onboard Address	CC00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	D000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	D400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	D800	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	DC00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Disable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

4.8.2. Disk on module (DOM) Test [X] No Support

Test Item	Result			Notes
	Pass	Fail	N/A	
Transcend / TS512MDOM40V / 512MB / IDE 40 Pin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Transcend / TS512MDOM44V / 512MB / IDE 44 Pin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

4.9. Riser Card Function Test [X] No Support

Test Item	Result			Note
	Pass	Fail	N/A	
LAN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PCI Slot	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PCI-e Slot	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

5. Power Consumption Test

5-1 PC Health Status

Test Point: The value between Actual Voltage and Voltage Monitor must be + /- 5%

Voltage Monitoring Test	Result			In Bios (V)		Note
	Pass	Fail	N/A			
Vcore	<input checked="" type="checkbox"/>			+1.184		
Vcc1.5V	<input checked="" type="checkbox"/>			+1.504		
Vcc3.3V	<input checked="" type="checkbox"/>			+3.328		
Vcc5V	<input checked="" type="checkbox"/>			+4.995		
Vcc12V	<input checked="" type="checkbox"/>			+12.096		
Vsb5V	<input checked="" type="checkbox"/>			+4.995		
VBAT	<input checked="" type="checkbox"/>			3.072		
CPU Temperature	<input checked="" type="checkbox"/>			43°C		
System Temperature 1	<input checked="" type="checkbox"/>			46°C		
System Temperature 2	<input checked="" type="checkbox"/>			39°C		
CPU Fan Speed	<input checked="" type="checkbox"/>			4891	RPM	

6. Timer Accuracy Test

6-1. System Clock & RTC Clock Test

Under Room Temperature: 26 °C

Item Function	Time Interval	Margin for error	Actual	Result			Note
				Pass	Fail	N/A	
RTC Clock in Power On Mode	24 hrs	+/-2 sec	-1 Sec	<input checked="" type="checkbox"/>			
RTC Clock in Power Off Mode	24 hrs	+/-2 sec	-1 Sec	<input checked="" type="checkbox"/>			

6-2. Booting Timer Test

Installation	Actual		Note
System Booting Time	5.36	Sec	Press the Power Button till "Beep" Sound appears

6-3. Watchdog Timer Test

Use Function as below: IT8712B.exe

[] No Support.

Time-out interval	Margin for error	Actual	Result			Note
			Pass	Fail	N/A	
10 sec	+/- 10%	10.2 Sec	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Software provided by Aaeon S/W
60 sec	+/- 10%	61.3 Sec	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
255 sec	+/- 10%	258.6 Sec	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Under Room Temperature: 26°C / DOS Mode

7. O.S. Compatibility Test

7-1. English Fedora 14 – Kernel 2.6.35.6- 45.fc14

[] No Support

Driver Information:

Chipset Software	Fedora 14 default driver
Graphics Media	Fedora 14 default driver
LAN Driver	Fedora 14 default driver
Audio Driver	Fedora 14 default driver

Install OS to SATA HDD:

Installation	Result			Note
	Pass	Fail	N/A	
Kernel 2.6.35.6- 45.fc14	<input checked="" type="checkbox"/>			Type uname -a

Test Result:

Test Item	Result			Note
	Pass	Fail	N/A	
Display Function Test				
VGA -- Full Screen	<input checked="" type="checkbox"/>			
Network Function Test				
Connect to Internet – LAN 1	<input checked="" type="checkbox"/>			
Connect to Internet – LAN 2	<input checked="" type="checkbox"/>			
Base Function Test				
Mouse Test	<input checked="" type="checkbox"/>			
Keyboard Test	<input checked="" type="checkbox"/>			
CD-ROM Test	<input checked="" type="checkbox"/>			
USB 2.0 Removable Devices	<input checked="" type="checkbox"/>			
X Windows Application				
Start Button Office	<input checked="" type="checkbox"/>			Office function
X-Window	<input checked="" type="checkbox"/>			Startx – Desktop in Linux
Command Test On Text Mode: Attention Delay Phenomenon.				
uname -a	<input checked="" type="checkbox"/>			Show information
Shutdown	<input checked="" type="checkbox"/>			Init 0 or shutdown -h now
Restart the Computer	<input checked="" type="checkbox"/>			Init 6 or shutdown -r now
Halt	<input checked="" type="checkbox"/>			Power Off Mode
ls / clear; cd /dev /ls -l	<input checked="" type="checkbox"/>			Command instruction

7.2. Windows 7 Ultimate English Version 32/64Bit

x32 Driver Information:

Chipset Software	Intel(R) 5 Series/3400 Series Chipset: 9.1.1.1023(2009/11/02)
Graphics Media	Intel(R)GMA HD 8.15.10.1995(2009/11/06)
LAN Driver	Intel(R)82577LM Gigabit Network Connection 11.2.19.0(2009/09/23)
	Intel(R)Gigabit CT Desktop Adapter 11.0.103.0(2009/07/14)
Audio Driver	Realtek High Definition Audio 6.0.1.5854(2009/05/15)

No Support

x64 Driver Information:

Chipset Software	Intel(R) 5 Series/3400 Series Chipset: 9.1.1.1023(2009/11/02)
Graphics Media	Intel(R)GMA HD 8.15.10.1995(2009/11/06)
LAN Driver	Intel(R)82577LM Gigabit Network Connection 11.2.19.0(2009/09/23)
	Intel(R)Gigabit CT Desktop Adapter 11.0.103.0(2009/07/14)
Audio Driver	Realtek High Definition Audio 6.0.1.5854(2009/05/15)

Install OS to SATA HDD:

Installation	Result			Note
	Pass	Fail	N/A	
English Windows 7 Ultimate ACPI Mode	<input checked="" type="checkbox"/>			

Test Results:

Test Item	Result			Note
	Pass	Fail	N/A	
Single Display				
VGA -- Full Screen	<input checked="" type="checkbox"/>			
Boot - Windows 7 Ultimate Advanced Options Menu				
Safe Mode	<input checked="" type="checkbox"/>			
Basic Function Test				
PS/2 Mouse and Keyboard	<input checked="" type="checkbox"/>			
USB Mouse and Keyboard	<input checked="" type="checkbox"/>			
COM Port Mouse detect	<input checked="" type="checkbox"/>			
LPT1			<input checked="" type="checkbox"/>	
USB 2.0 Removable Devices	<input checked="" type="checkbox"/>			
LAN Function Test				
LAN1 --- Auto	<input checked="" type="checkbox"/>			
LAN2 --- Auto	<input checked="" type="checkbox"/>			
Audio Function Test				
Line Out Test	<input checked="" type="checkbox"/>			
Line In Test	<input checked="" type="checkbox"/>			
Microphone Test	<input checked="" type="checkbox"/>			
S/P DIF Test			<input checked="" type="checkbox"/>	
Start Menu				
Log off User	<input checked="" type="checkbox"/>			
Shut down	<input checked="" type="checkbox"/>			
Standby	<input checked="" type="checkbox"/>			
Restart	<input checked="" type="checkbox"/>			
Hibernate	<input checked="" type="checkbox"/>			

7.3. Windows XP Professional English Version 32/64Bit

x32 Driver Information:

Chipset Software	Intel(R) 5 Series/3400 Series Chipset: 9.1.1.1023(2009/11/02)
Graphics Media	Intel(R)GMA HD 6.14.10.5179(2009/11/09)
LAN Driver	Intel(R)82577LM Gigabit Network Connection 11.2.19.0(2009/09/23)
	Intel(R)Gigabit CT Desktop Adapter 11.1.6.0(2009/07/13)
Audio Driver	Realtek ALC888 HD Audio 5.10.0.5854(2009/05/15)

No Support

x64 Driver Information:

Chipset Software	
Graphics Media	
LAN Driver	

Install OS to SATA HDD:

Installation	Result			Note
	Pass	Fail	N/A	
English Windows XP ACPI Mode	<input checked="" type="checkbox"/>			

Test Results:

Test Item	Result			Note
	Pass	Fail	N/A	
Single Display				
VGA -- Full Screen	<input checked="" type="checkbox"/>			
Boot - Windows XP Advanced Options Menu				
Safe Mode	<input checked="" type="checkbox"/>			
Basic Function Test				
PS/2 Mouse and Keyboard	<input checked="" type="checkbox"/>			
USB Mouse and Keyboard	<input checked="" type="checkbox"/>			
COM Port Mouse detect	<input checked="" type="checkbox"/>			
LPT1			<input checked="" type="checkbox"/>	
USB 2.0 Removable Devices	<input checked="" type="checkbox"/>			
LAN Function Test				
LAN1 --- Auto	<input checked="" type="checkbox"/>			
LAN2 --- Auto	<input checked="" type="checkbox"/>			
Audio Function Test				
Line Out Test	<input checked="" type="checkbox"/>			
Line In Test	<input checked="" type="checkbox"/>			
Microphone Test	<input checked="" type="checkbox"/>			
S/P DIF Test			<input checked="" type="checkbox"/>	
Start Menu				
Log off User	<input checked="" type="checkbox"/>			
Shut down	<input checked="" type="checkbox"/>			
Standby	<input checked="" type="checkbox"/>			
Restart	<input checked="" type="checkbox"/>			
Hibernate	<input checked="" type="checkbox"/>			

8. BIOS Function Test

	Hardware Information with XP Professional English SP3 32 Bit Driver Version
CPU	Intel(R) Celeron P4500 1.87GHz
Memory	Onboard SODIMM DDR3-1066 2GB
HDD/CFD	Toshiba MK1665GSX 2.5" SATAII 160GB

8.1. Boot Sequence Test

Test Item	Result			Note
	Pass	Fail	N/A	
Floppy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Hard Disk	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Removable (All Device Priority)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CDROM	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
USB HDD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
USB Floppy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
USB CD-ROM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LAN [Boot From LAN First]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Disable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Check "Halt on" item – All error but K/B	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

8.2. Power Management Test

8.2.1. APM Power Management Test

Test Item	Setting Test	Result			Note
		Pass	Fail	N/A	
Suspend Mode	Function Test	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Power Button	Delay 4 Sec	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Soft-Off By PWRBTN
Power Button	Instant-Off	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Soft-Off By PWRBTN

8.2.2. ACPI Power Management Test

Test Item	Result			Note
	Pass	Fail	N/A	
Enable ACPI Auto Configuration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Enable Hibernation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	From Windows 7
ACPI - S1 (POS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Resume from PS/2 keyboard or mouse.
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Resume from USB keyboard or mouse.
ACPI - S3 (STR)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Suspend Disable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

8.3. Power On after Power Failure Test

Test Item	Result			Note
	Pass	Fail	N/A	
Off	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Former-Sts (Auto)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

8.4. AAEON Tag Check Utility

Test Item	Result			Note
	Pass	Fail	N/A	
Check AAEON BIOS OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AONCHECK.EXE

8.5. TPM Function Test

Test Item	Result			Note
	Pass	Fail	N/A	
No Change	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Clear	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Enable & Active	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Disable & Disactive	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Detect TPM device under Windows.

8.6. IAMT Function Test

Test Item	Result			Note
	Pass	Fail	N/A	
IAMT Function	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

8.7. Supervisor / User Password Test

Test Item	Result			Note
	Pass	Fail	N/A	
Supervisor Password	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
User Password	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

8.8. CAN port Function Test

Basic Function Test					Note
Test Item	Interrupt: Polling or IRQ	Result			
		Pass	Fail	NA	
CAN1 transmits CAN2	CAN1:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	CAN2:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CAN2 transmits CAN1	CAN2:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	CAN1:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Note: Sets the interrupt for each port. Be sure that this setting matches the IRQ

9. Performance Test

	Hardware Information with XP Professional English SP3 32 Bit Driver Version
CPU	Intel(R) Celeron P4500 1.87GHz
Memory	Onboard SODIMM DDR3-1066 2GB
HDD/CFD	Toshiba MK1665GSX 2.5" SATAII 160GB

9.1. Performance Test

Test Result: (Display set 1024*768 test)

Testing Software	Scope		Note
	AAEON	Ref.	
PCMark2002			Only for XP
CPU	7020	-	
Memory	19119	-	
HDD	1629	-	
Benchmark (A)	-		
PCMark2005			XP and Windows 7
PCMark	3985	-	PCMarks
CPU	4628	-	
Memory	4572	-	
Graphics	2309	-	
HDD	5350	-	
Benchmark (B)	-		
Average Efficiency	-		

Testing Software	Scope		Note
	AAEON	Ref.	
3Dmark2003 v360			Only for XP
3Dmark Score	3184	-	
CPU Score	509	-	
Benchmark (A)	-		
3Dmark2005 v130			XP and Windows 7
3Dmark Score	2184	-	
CPU Score	2976	-	
Benchmark (B)	-		
Average Efficiency	-		

Testing Software	Scope		Note
	AAEON	Ref.	
Final Reality V1.01—BenchMark Test			XP and Windows 7
2D image	43.22	-	
3D	4.10	-	
Bus transfer	53.41	-	
Overall	23.23	-	Reality marks
Benchmark (A)	-		

9-2. Memory Test

Test Item	Result			Note
	Pass	Fail	N/A	
MEM v4.10 Overnight Test	<input checked="" type="checkbox"/>			