

Report NO: 10E010031

XTX-U15B

P5 Test Report

Summary	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail Note : There is <u> 0 </u> defect not list in the report, please check it in the DTS Website. <input type="checkbox"/> Pass with Deviation Comment: _____			
	Test Result Summary			
	Critical	Major	Minor	Enhancement
Defect Found	0	0	0	0
Defect Unsolved	0	0	0	0

Issue date	Approval	Test Engineer
2010/12/30	Jansin Lee	Nisam Jone

Test Suites Overall Results Summary

No.	Test Category	Test Results
1	Hardware Compatibility Test	PASS
2	Basic Function Test	PASS
3	Integration Test	PASS
4	Application Test	PASS
5	Power Consumption Test	PASS
6	Time Accuracy Test	PASS
7	O.S. Compatibility Test	PASS
8	BIOS Test	PASS
9	Performance Test	PASS

Platform Information

Item	Device Information	Test Item
PCB Model / Version	XTX-U15B Rev A0.4	1,2,3,4,5,6,7,8,9
Carrier Board	ECB-910M Rev A1.0	1,2,3,4,5,6,7,8,9
BIOS / Version	XTX-U15B BIOS Rev 0.61 (05/06/2010)	1,2,3,4,5,6,7,8,9
CPU Type	Intel® Atom™ CPU Z510 @ 1.10GHz (100x11)	1,2,3,4,5,6,7,8,9
Memory Type	Transcend / HYNIX HY5PS121621BFP-C4 / DDR2- 533 / 256MB	1,2,3,4,5,6,7,8,9
SATA HDD	Seagate ST380815AS 80GB 3.5" SATA HDD	1,2,3,4,5,6,7,8,9
SATA ODD	N/A	1,2,3,4,5,6,7,8,9
Primary IDE Master	N/A	1,2,3,4,5,6,7,8,9
Primary IDE Slave	N/A	1,2,3,4,5,6,7,8,9
CRT	N/A	1,2,3,4,5,6,7,8,9
Compact Flash	ViewSonic VE175 17" LCD Monitor	1,2,3,4,5,6,7,8,9
Backplane	N/A	1,2,3,4,5,6,7,8,9
Riser Card	N/A	1,2,3,4,5,6,7,8,9
Expansion Board	N/A	1,2,3,4,5,6,7,8,9
Operating System	[X]Windows XP Professional English SP3 32 Bit	7-1
Power Supply	ATX Power Supply : COOLERMMASTER RS-350-PCAR-13	1,2,3,4,5,6,7,8,9

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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 specifications or no test equipment

The test report would be tested and updated after version changed.

●Version Released Records

Date	Version	Item	Note
2010/04/21	P3-1001	1. 調整文字表格前後對齊 2. Modify 新版首頁	
2010/06/01	P2P3-1001	1. New Test Report	
2010/06/21	P2P3-1002	1. Add BIOS -> SPI ROM Setting (South Bridge – GPIO)	
2010/09/02	P2P2-1003	1. Modify All Test Items	

1. Hardware Test

1.1. CPU Compatibility Test

CPU Information	Result			Note
	Pass	Fail	N/A	
Intel® Atom™ CPU Z520 @1.33GHz	X			Test by Windows XP

1.2. Memory Compatibility Test

Memory Information	MEM V4.0			Note
	Pass	Fail	N/A	
Transcend 7WE17D9HNL 667MHZ 2GB	X			

1.3. SATA Compatibility Test

1.3.1 Onboard SATA (IDE) Test

SATA Device Information	Result			Note
	Pass	Fail	N/A	
Seagate ST380815AS 80GB 3.5" SATA HDD	X			Test by Windows XP

1.4. LVDS Compatibility Test

LVDS Model	Result			Note
	Pass	Fail	N/A	
LG LP140WH1 / 14.0" / 1366x768 / 24bit (16:9)			X	
AUO G065VN01 V.0 / 6.5" / 640x480 / 18bit (4:3)	X			
AUO G065VN01 V.0 / 6.5" / 640x480 / 24bit (4:3)	X			
Data Image 7" / 800*480 / 18bit (16:9)	X			
AU G084SN05 V.3 / 8.4" / 800*600 / 18bit (4:3)	X			
AU B104SN02 V.0 / 10.4" / 800*600 / 18bit (4:3)			X	
AUO G084SN05 v7 / 8.4" / 800*600 / 24bit (4:3)			X	
AU G150XG01 V.0 / 15" / 1024*768 / 18bit (4:3)			X	
AU M150XN07 V.2 / 15" / 1024x768 / 24bit (4:3)	X			
10_AU M170EG01 V.D/ 17" / 1280*1024 / 48bit (4:3)			X	
11_AU M170XW01 V.1 / 17" / 1280x768 / 24bit (16:9)			X	
12_AUO T260XW02 / 26" / 1366x768 / 24bit			X	
13_AU M201UN02 V.5 / 20.1" / 1600x1200x48bit			X	
14_AUO T370HW01 / 37" / 1920x1080 / 48bit			X	
15_AUO M190PW01 V0 / 19"/1440X900/48 bit			X	

2. Basic Function Test

2.1. Video Function Test

2.1.1. Video Test

Display Mode	CRT + DVI or CRT+TV			CRT +LVDS or CRT + TTL			Note
	Pass	Fail	N/A	Pass	Fail	N/A	
Monitor			X	X			
Notebook			X	X			LVDS Only
DVI			X	X			
TV			X			X	
Dual Display Clone			X	X			
Twin			X			X	
Extended Desktop			X	X			
Rotation (0 / 90 /180 /270)			X	X			

2.1.2. VGA Resolution Test

Color : [] 16bit [] 24bit [X] 32bit

Resolution	CRT			TTL			LVDS			Note
	Pass	Fail	N/A	Pass	Fail	N/A	Pass	Fail	N/A	
640X480			X	X					X	
800X600			X	X					X	
1024X768			X	X					X	
1280X1024			X	X					X	
1600X1200			X			X			X	

Note: Pay attention to LCD Full Screen under Text Mode.

2.1.3. Display Function 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	X			







2.2. Audio Function Test

[] No Support

Function Test	Result			Note
	Pass	Fail	N/A	
L (Left) Channel	X			
R (Right) Channel	X			
CD_In			X	
Line In	X			
MICROPHONE	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	

2.3. LAN Function Test

[] No Support

Connect two computers via different speed LAN HUB by using "Ping" instruction (1000 times)									
1000Mbps LAN HUB			D-Link DGS-1008D						
100Mbps LAN HUB			HP J4095A 24 Ports						
10MBps LAN HUB			SVEC FD916H						
LAN Speed	Link / Active LED	Speed LED	LAN 1			LAN 2			Note
			Pass	Fail	N/A	Pass	Fail	N/A	
1000Mbps					X			X	
100Mbps			X					X	
10MBps			X					X	
Wake On LAN			X					X	
Boot ROM to Novell 4.11 [RPL]					X			X	
LAN Boot (PXE)			X					X	
Internet Browser (DHCP Server)			X					X	

2.4. Others Function Test

[X] No Support

Function Test	Result			Note
	Pass	Fail	N/A	
3G Module				
GPRS				
Wireless LAN				
Bluetooth				

3. Integration Test

3.1. USB Port Integration Test

Item	USB Port	Boot			Function(XP)			Note
		Pass	Fail	N/A	Pass	Fail	N/A	
USB HDD		X			X			
USB FDD Mitsumi D353GUE		X			X			
SONY USB2.0 DVD-R/W DRX-830UL		X			X			
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					X			

3.2. Digital I/O Port Test

DIO Address (___)	Result			Notes
	Pass	Fail	N/A	
DIO VCC +5V			X	

3.3. COM Port Integration Test

Test Item	Result			Notes
	Pass	Fail	N/A	
Serial Modem Dial Out	X			
Serial Modem Ring In	X			Test by Modem
Serial Modem +12V	X			Test by Multimeter
Serial Modem +5V	X			Test by Multimeter
BurnIn Test V5.3 Pro	X			

3.4. RS-422 / RS-485 Test

Test Item	Result			Notes
	Pass	Fail	N/A	
RS-422 for COM2	X			Use loopback and WINSSD.exe to test RS-422 in Windows
RS-485 for COM2	X			Use ICP CON I-7044D D/IO Module in Windows(Support Auto flow control)
	X			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	
EPSON Stylus C61 Printer	X			

4. Application Test

4.1. PCI Slot Function (PCI Adapter Card) Test

Adapter VGA Card	Set Simultaneous Display and Reboot			Note
	Pass	Fail	N/A	
CHAINTECH NVIDIA GeForce4 MX440-8X			X	
Adapter Sound Card	Play Sound			Note
	Pass	Fail	N/A	
Creative Sound BLASTER Live5.1	X			
Adapter SCSI Card	Copy files to SCSI HDD			Note
	Pass	Fail	N/A	
ADAPTEC Ultra160 SCSI ASC-29160			X	
Adapter Image Capture Card	Connect to CCD			Note
	Pass	Fail	N/A	
I-VIEW CP-1400AS (with Age STD-477FAI CCD)			X	
Adapter LAN Card	Connect to Internet			Note
	Pass	Fail	N/A	
INTEL PRO/1000 GT Desktop Adapter	X			
ASUS NX1101 Gigabit Ethernet Adapter	X			
D Link DFE-530TX 10/100 LAN Card	X			
Adapter RAID Card	RAID 0 , 1 , 10 Function Test			Note
	Pass	Fail	N/A	
ADAPTEC 1420SA RoHS 4-Port SATA II RAID			X	

4.2. PCI-Express Function Test

PCI-Express x1	Function Test			Note
	Pass	Fail	N/A	
SUNIX SATA1414 eSATA & SATAII x1Express card	X			
Syskonnect SK-9E21D 10 /100/1000 Base-T Adapter PCI-Express x1 LAN Card	X			
PCI-Express x4	Function Test			Note
	Pass	Fail	N/A	
Adaptec AAR-1430SA SATAII HostRAID Controllers			X	
PCI-Express x16	Function Test			Note
	Pass	Fail	N/A	
ASUS EAX1600PRO/TD/256M/A (ATI Chipset) PCI-Express x16 VGA Card			X	
WINFAST PX6200 TC TDH PCI-Express x16 VGA Card			X	
Express card	Function Test			Note
	Pass	Fail	N/A	
SUNIX SATA II Express card			X	
SunBox 34mm Giga LAN Express Card	X			
Mini PCI Express Card	Function Test			Note
	Pass	Fail	N/A	
Ralink RT2571WF WLAN Mini Card (USB Interface)	X			
Sil3132 Mini PCI-E Function Test Card (USB Interface)	X			

4.3. Mini PCI Card Compatibility Test

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

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)				[PC-200200]
	Slot 2 (Down)				
Kingston datapack DP-PCM2 / 2GB (PC Card TypeII HDD)	Slot 1 (Up)				[PC-200201]
	Slot 2 (Down)				
PCi GW-NS54SG Cardbus Adapter Wireless LAN Type-II	Slot 1 (Up)				[PC-200502]
	Slot 2 (Down)				
PCi GW-NS54SG Cardbus Adapter Wireless LAN Type-II	Slot 2 (Down)				[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				[SS-002]
LAN Card NE2000 Compatible LAN Card (RTL8019AS)				[NW-014]
VGA Card CIRRUS LOGIC 5429 FCC ID:ICUVGA-GWV27A				[VC-008]

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

4.6.1. Device List: PC/104 Module [X] No Support

Test Item	Result			Notes
	Pass	Fail	N/A	
AAEON PCM-3660				

4.6.2. Device List: PC/104+ Module [X] No Support

Test Item	Result			Notes
	Pass	Fail	N/A	
AAEON PCM-3430				

4.6.3. Device List: PCI-104 Module No Support

Test Item	Result			Notes
	Pass	Fail	N/A	
AAEON PCM-3730				

4.6.4. Device List: PCI/104 Express Module No Support

Test Item	Result			Notes
	Pass	Fail	N/A	
AAEON PER-123				

4.7. SSD Modules Compatibility Test

SSD HDD Compatibility Test:

Cable Type: IDE SATA2 MLC SLC No Support

Test Item	Result			Notes
	Pass	Fail	N/A	
Transcend SSD 16G - TS16GSSD25S				

4.8. Peripheral Compatibility- Storage Device Test

4.8.1. Disk on Chip (DOC) Test No Support

Test Item	Result			Notes
	Pass	Fail	N/A	
DOC 2000 Model	16MB			M-System / MD2200-D16
DOC 2000 Onboard Address	CC00			
	D000			
	D400			
	D800			
	DC00			
	Disable			

4.8.2. Disk on module (DOM) Test No Support

Test Item	Result			Notes
	Pass	Fail	N/A	
Transcend / TS512MDOM40V / 512MB / IDE 40 Pin				
Transcend / TS512MDOM44V / 512MB / IDE 44 Pin				

4.9. Riser Card Function Test No Support

Test Item	Result			Note
	Pass	Fail	N/A	
LAN				
PCI Slot				

5. Power Consumption Test

5.1. AT/ATX Power Consumption

CPU Board	XTX-U15B Rev A0.4
Carrier Board	ECB-910M Rev A1.0
BIOS	XTX-U15B BIOS Rev 0.61 (05/06/2010)
Operating System	Windows XP Professional English Version V2002 Service Pack 3
CRT	N/A
LCD	ViewSonic VE175 17" LCD Monitor
Compact Flash	N/A
Expansion Board	N/A
Power Supply	ATX Power Supply : COOLERMASER RS-350-PCAR-13

Test Equipment:

Equipment	AC/DC Digital Clamp meter
Manufacturer	KYORITSU
Model name	2010

Equipment Certified Calibration:

Calibrated Company	KYORITSU
S/N	WO230798 (EM-213)
Calibration Date	Oct. 12, 2008
Next Calibration Date	Oct. 11, 2009

- Test Point: 1. Power on machine and boot into Windows environment
 2. Run test software: Prime95 to make system heavy loading in order to measure its maximum current
 3. Use KYORITSU 2010 (set as 20A) to measure each current of system different mode

Environment Model \ Test	ATX Power:		AT Power:		Note
CPU	Intel ® Atom™ CPU Z520 @1.33GHz		Intel ® Atom™ CPU Z520 @1.33GHz		
HDD	Seagate ST380815AS 3.5" SATA II 80GB		Seagate ST380815AS 3.5" SATA II 80GB		
RAM	Transcend 7WE17D9HNL 667 2GB		Transcend 7WE17D9HNL 667 2GB		
OS Environment	Windows XP Professional English Version V2002 Service Pack 3		Windows XP Professional English Version V2002 Service Pack 3		
Normal Mode (+5V)	2.57	A		A	
Suspend Mode (+5V)	-----	A	-----	A	S1
5VSB in Power Off Mode (just for ATX)	0.14	A	-----	A	
5VSB in Power On Mode (just for ATX)	0.08	A	-----	A	
5VSB in S1 Suspend Mode (just for ATX)	-----	A	-----	A	Can't over 5VSB in Power On & Off current.
Normal Mode (+12V)	0.27	A		A	
Suspend Mode (+12V)	-----	A	-----	A	S1
Normal Mode (+3.3V) (just for ATX)	-----	A	-----	A	

Suspend Mode (+3.3V) (just for ATX)	-----	A	-----	A	S1
Normal Mode (-12V)	-----	A	-----	A	
Suspend Mode (-12V)	-----	A	-----	A	
Normal Mode (-5V)	-----	A	-----	A	
Suspend Mode (-5V)	-----	A	-----	A	

5.2. PC Health Status

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

Voltage Monitoring Test	Result			BIOS(V)	Tracker (V)	Note
	Pass	Fail	N/A			
CPUcore Voltage			X			
DDR2 Voltage			X			
CPU Temperature	X			61°C	56.2V	
System Temperature	X			53°C	54.6V	
(+) Vccp	X			3.28V	3.36V	
(+) Vcore	X			1.09V	1.08V	
(+) Vddr	X			1.82V	1.83V	
(+) 1.5V			X			
(+) CPUVcore			X			
(+) 2.6V			X			
(+) 3.3V			X			
(+) 5V	X			4.99V	4.96V	

6. Time 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	+2 Sec	X			
RTC Clock in Power Off Mode	24 hrs	+/-2 sec	0 Sec	X			

6.2. Watchdog Timer Test

Use Function as below: aaeonwdt

[X] No Support.

Time-out interval	Margin for error	Actual	Result			Note
			Pass	Fail	N/A	
10 sec	+/- 10%	Sec				Software provided by Aaeon S/W
60 sec	+/- 10%	Sec				

Note : Under Room Temperature: 26°C / DOS Mode

7. O.S. Compatibility Test

7.1. English Fedora Core 13– Kernel 2.6.33.3-85.fc13.i686 PAE

[] No Support

Driver Information:

Chipset Software	System default
Graphics Media	System default
LAN Driver	System default
Audio Driver	System default

Install OS to IDE HDD/SATA HDD/ CF Card:

Installation	Result			Note
	Pass	Fail	N/A	
English Fedora Core 13– Kernel 2.6.33.3-85.fc13.i686 PAE	X			Type uname -a

Test Result:

Base Function Test				
VGA Setup	X			redhat-config-xfree86
Soundcard Setup			X	redhat-config-soundcard
LAN & Modem Setup	X			redhat-config-network
Printer Setup			X	redhat-config-printer (LPT)
Mouse Setup	X			redhat-config-mouse (PS/2)
Keyboard Setup	X			redhat-config-keyboard
Mount Floppy			X	mount /dev/fd0 /mnt/floppy
Mount CD-ROM			X	mount /dev/cdrom /mnt/cdrom
Mount USB Floppy	X			mount /dev/sda /mnt/floppy (or floppy1)
Mount USB CD-ROM	X			mount /dev/sda /mnt/cdrom
Mount USB HDD	X			mount -t vfat /dev/sda1 /mnt/usb
Virtual Consoles			X	Ctrl+Alt+F[1-7]
Display Function Test				
CRT -- Full Screen			X	
LCD -- Full Screen	X			
DVI -- Full Screen			X	
DVI + LCD			X	
CRT + LCD			X	
CRT + DVI			X	
Network Function Test				
Connect to Internet	X			
Ping IP Address			X	Ping
Telnet IP Address			X	telnet
X Windows Application				
OPEN Office	X			Office function
X-Window			X	Startx – Desktop in Linux
Command Test On Text Mode: Attention Delay Phenomenon.				
uname -a			X	Show information
Log Out	X			
Shutdown	X			Init 0 or shutdown -h now
Restart the Computer	X			Init 6 or shutdown -r now
Halt			X	Power Off Mode
ls / clear; cd /dev /ls -l			X	Command instruction

7.2. Windows Vista English Version 32Bit

x32 Driver Information:

Chipset Software	Intel ® Chipset Device Software 8.8.0.1011 (04/02/2008)
Graphics Media	Intel ® Graphics Media Accelerator 500 7.14.10.1006 (6/26/2009)
LAN Driver	Realtek RTL8139/810x Family Fast Ethernet NIC 5.640.630.2006 (6/21/2006)
Audio Driver	N/A

x64 Driver Information: No Support

Chipset Software	
Graphics Media	
LAN Driver	
Audio Driver	

Install OS to IDE HDD/SATA HDD/ CF Card:

Installation	Result			Note
	Pass	Fail	N/A	
English Windows 7 Ultimate ACPI Mode	X			

Test Results:

Display Function Test				
CRT -- Full Screen			X	
LCD -- Full Screen			X	
DVI --- Full Screen	X			
TV ---- Full Screen			X	
DVI + LCD			X	
CRT + LCD			X	
CRT + DVI			X	
CRT + TV			X	
CRT + LCD + TV			X	
External VGA Card Test (Dual Display)				
CHAIANTECH NVIDIA GeForce4 MX440-8X			X	
Boot - Windows XP Professional Advanced Options Menu				
Safe Mode	X			
Safe Mode with Networking	X			
Safe Mode with Command Prompt	X			
Enable Boot Logging	X			
Enable low-resolution video (640x480)	X			
Last known Good Configuration (Advanced)	X			
Directory Services Restore Mode	X			
Debugging Mode	X			
Disable automatic restart on system failure	X			
Disable Driver Signature Enforcement	X			
Start Windows Normally	X			
Basic Function Test				
IDE Primary Master			X	
IDE Primary Slave			X	
IDE Secondary Master			X	
IDE Secondary Slave			X	
PS/2 Mouse and Keyboard	X			
USB Mouse and Keyboard	X			

LAN Function Test				
LAN1 --- Auto	X			
LAN2 --- Auto			X	
Audio Function Test				
Audio 5.1 Channel Test			X	
S/P DIF Test			X	
Play Audio Function Test	X			
Start Menu				
Switch User	X			
Log Off	X			
Lock			X	
Restart	X			
Sleep	X			
Hibernate			X	
Shutdown	X			

8. BIOS Function Test

8.1. Boot Sequence Test

Test Item	Result			Note
	Pass	Fail	N/A	
Floppy			X	
Hard Disk	X			
Removable (All Device Priority)			X	
HDD-0:			X	
SCSI			X	
CDROM	X			
SATA HDD-1:			X	
SATA HDD-2:			X	
USB HDD	X			
USB Floppy	X			
USB CD-ROM	X			
LAN [Boot From LAN First]	X			
First Boot Device	X			
Second Boot Device	X			
Third Boot Device	X			
Boot Other Device	X			
Disable ALL Boot Device	X			

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			X	
Power Button	Delay 4 Sec			X	Soft-Off By PWRBTN
Power Button	Instant-Off			X	Soft-Off By PWRBTN

8.2.2. ACPI Power Management Test

Test Item	Result			Note
	Pass	Fail	N/A	
Enable ACPI Auto Configuration	X			
Enable Hibernation	X			From Windows XP
ACPI - S1 (POS)			X	Resume from PS/2 keyboard or mouse.
			X	Resume from USB keyboard or mouse.
ACPI - S3 (STR)	X			
Suspend Disable			X	

8.3. Power On Function Test

[X] No Support

Test Item	Result			Note
	Pass	Fail	N/A	
Password				
Hot KEY				
MOUSE Move & Click				
MOUSE Click				
Any KEY				
BUTTON ONLY				

8.4. Power On after Power Failure Test

Test Item	Result			Note
	Pass	Fail	N/A	
Off	X			
On			X	
Former-Sts (Auto)			X	

8.5. CMOS Backup / Clear CMOS Test

Test Item	Result			Note
	Pass	Fail	N/A	
CMOS Backup	X			
Clear CMOS Test	X			Only Changed date and time

8.5.1 After Clear CMOS , Display will show " CMOS Checksum Error"

Test Item	Result			Note
	Pass	Fail	N/A	
CMOS Checksum Error	X			

8.6. AAEON Tag Check Utility

Test Item	Result			Note
	Pass	Fail	N/A	
Check AAEON BIOS OK	X			AONCHECK.EXE

8.7. TPM Function Test

Test Item	Result			Note
	Pass	Fail	N/A	
No Change			X	
Clear			X	
Enable & Active			X	
Disable & Disactive			X	Detect TPM device under Windows.

8.8. IAMT Function Test

Test Item	Result			Note
	Pass	Fail	N/A	
IAMT Function			X	

9. Performance Test

9.1. Performance Test

Test Result: (Display set 1024*768 test)

Testing Software	Scope		Note
	AAEON	Ref.	
PCMark2002			Only for XP
CPU	2215	-	
Memory	5112	-	
HDD	396	-	
Benchmark (A)	-	-	
PCMark2005			XP and Windows 7
PCMark	N/A	-	PCMarks
CPU	1249	-	
Memory	2047	-	
Graphics	N/A	-	
HDD	3703	-	
Benchmark (B)	-	-	
Average Efficiency	-	-	

Testing Software	Scope		Note
	AAEON	Ref.	
3Dmark2003 v360			Only for XP
3Dmark Score	429	-	
Benchmark (A)	-	-	
3Dmark2001			Windows XP
3DMark2001SE Build 330_Benchmark mode	984	-	
Benchmark (B)	-	-	
Average Efficiency	-	-	

Testing Software	Scope		Note
	AAEON	Ref.	
Final Reality V1.01—BenchMark Test			XP and Windows 7
2D image	18.05	-	
3D	3.41	-	
Bus transfer	15.99	-	
Overall	9.69	-	
Benchmark (A)	-	-	Reality marks

9.2. Memory Test

Test Item	Result			Note
	Pass	Fail	N/A	
MEM v4.0 Overnight Test	X			