

# GES-5500F

## P5 Test Report

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

Issue date	Approval	Test Engineer
2011/1/5	Jansin Lee	Mike Lee

## Test Suites Overall Results Summary

No.	Test Category	Test Results
1	Modular System Function 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
System Model	GES-5500F	1,2,3,4,5,6,7,8,9
PCB Board	IMBI-QM57 A1.0	1,2,3,4,5,6,7,8,9
CPU Board	N/A	N/A
BIOS / Version	GES-5500F BIOS Rev 1.1 (01/04/2011)	1,2,3,4,5,6,7,8,9
CPU Type	Intel(R) Core(TM) CPU i7-620M 2.66GHz Intel(R) Core(TM) CPU i5-520M 2.40GHz	1,2,3,4,5,6,7,8,9
Memory Type	kingston SODIMM DDR3-1066 4GB(hynix H5TQ2G83BFR H9C) *2 DSL DDR3-1066 CL7 2GB (ELPIDATWNJ1108BDSE-DJ-F 0937R90WS10) *1	1,2,3,4,5,6,7,8,9
SATA HDD	Seagate ST9120823AS SATAII 120GB	1,2,3,4,5,6,7,8,9
SATA DVD-ROM	N/A	N/A
USB DVD-ROM	N/A	N/A
LCD Monitor	HANNS.G LCD Monitor HK191H - HSG1049	1,2,3,4,5,6,7,8,9
LVDS	N/A	N/A
Compact Flash	N/A	N/A
Daughter Board	N/A	N/A
Expansion Board	N/A N/A	N/A N/A
Operating System	<input type="checkbox"/> Linux-RedHat 9.0	
	<input checked="" type="checkbox"/> Linux CentOS 5.5 – Kernel 2.6.18.3- 194	7-1
	<input checked="" type="checkbox"/> Windows 7 Ultimate 32/64 Bit	7-2
	<input checked="" type="checkbox"/> Windows XP Professional English SP3 32 Bit	7-3
	AC/DC Adapter:FSP084-DMAA1 AC INPUT:100-240V / DC OUTPUT:12V	1,2,3,4,5,6,7,8,9
<b>Chipset Information with XP Professional English SP3 32 Bit Driver Version</b>		
Chipset Software	Intel(R) 5 Series/3400 Series Chipset: 9.1.1.1023(2009/11/2)	
North Bridge	N/A	
South Bridge	PCH(BD821BXM)	
Super IO Chipset	ITE IT8718F	
VGA Chipset	Intel(R)HD Graphics 6.14.10.5179(2009/11/9)	
Audio Chipset	Realtek ALC888 6.0.1.5854 (2009/05/15)	
Ethernet Chipset	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)	

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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. Modular System Function Test

## 1-1. Modular System Industrial Workstation Function Test

Test Item	Result			Note
	Pass	Fail	N/A	
AC power outlet / inlet	X			
Power On / Off	X			
Power LED	X			
H.D.D LED	X			
CD-ROM drive included			X	
Floppy drive included			X	
Lockable front-panel door			X	
Finger mouse			X	
59 Data-entry&20/24 Function keys			X	
Mini PCI Wireless LAN Card			X	
Bluetooth (Add on Mini PCI WL Card)			X	

## 1-2. Mechanism construction check

Test Item	Result			Note
	Pass	Fail	N/A	
Case construction check	X			
PCMIC A construction check			X	
CF Card construction check			X	Please check both ( Type I and Type II )
I/O Port connector check	X			Serial port / Parallel port / PS2 connector
USB connector check	X			
Component check	X			

## 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.										
Interface	GES-5500F									
VGA	CHIMEI 22SH-L									
DVI	CHIMEI 22SH-L									
TV	N/A									
LVDS	N/A									
HDMI	ViewSonic VT2430									
Color Quality	[ X ] 16bit [ ] 24bit [ X ] 32bit									
	VGA			DVI			HDMI			
Resolution	Pass	Fail	N/A	Pass	Fail	N/A	Pass	Fail	N/A	
640X480			X			X			X	
800X600	X			X			X			
1024X768	X			X			X			
1152X864			X			X			X	
1280X600			X			X			X	
1280X720			X			X			X	
1280X768			X			X			X	
1280X800			X			X			X	
1280X960			X			X			X	
1280X1024	X			X			X			
1400X1050			X			X			X	
1600X1200	X					X			X	
1680X1050			X			X			X	
1792X1344			X			X			X	
1856X1392			X			X			X	
1920X1080	X			X			X			
1920X1200			X			X			X	
1920X1440			X			X			X	
2048X1536			X			X			X	
Rotation	X			X			X			Rotation ( 0 / 90 /180 /270)

#### 2-1.2. Dual Output Function Test

Selection	Output	Result			Note
		Pass	Fail	N/A	
Dual Display Clone	DVI+ VGA	X			
Dual Display Twin				X	
Extended Desktop		X			
Selection	Output	Result			Note
		Pass	Fail	N/A	
Dual Display Clone	HDMI+ VGA	X			
Dual Display Twin				X	
Extended Desktop		X			
Selection	Output	Result			Note
		Pass	Fail	N/A	
Dual Display Clone	DVI+HDMI	X			
Dual Display Twin					X

Extended Desktop		X			
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### 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	X			

### 2-2. Audio Function Test

No Support

Function Test	Result			Note
	Pass	Fail	N/A	
L (Left) Channel	X			
R (Right) Channel	X			
Line In	X			
MICROPHONE	X			
S/P DIF function Test	Input			X
	Output			X







### 2-3. Touch Panel Function Test

No Support

	Result			Note
	Pass	Fail	N/A	
4 Points Calibration				
Clear and Calibrate				
Linearization				
Draw Test				

### 2-4. 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		00-07-32-15-47-7C	
OnBoard LAN2		Intel® 82577LM Gigabit Network Connection					MAC Address		88-88-88-88-87-88	
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			

### 2-4.1. SmartBits Test

#### DUT Platform Information:

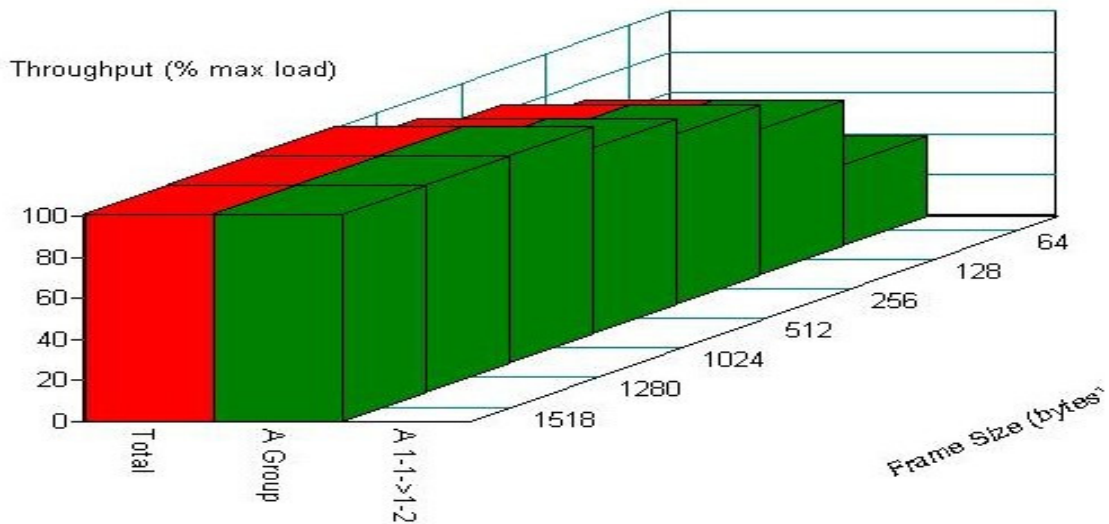
Graphics Media	Linux Cent Core 5.5 Default setting
LAN	LAN1 → Intel® Gigabit CT Desktop Adapter Ethernet: Cent Core 5.5 Default setting
	LAN2 → Intel® 82577LM Gigabit Network Ethernet: Cent Core 5.5 Default setting
Audio Driver	Cent Core 5.5 Default setting

#### 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® Gigabit CT Desktop Adapter 10/100/1G Ethernet → LAN2: Intel® 82577LM 10/100/1G Ethernet)

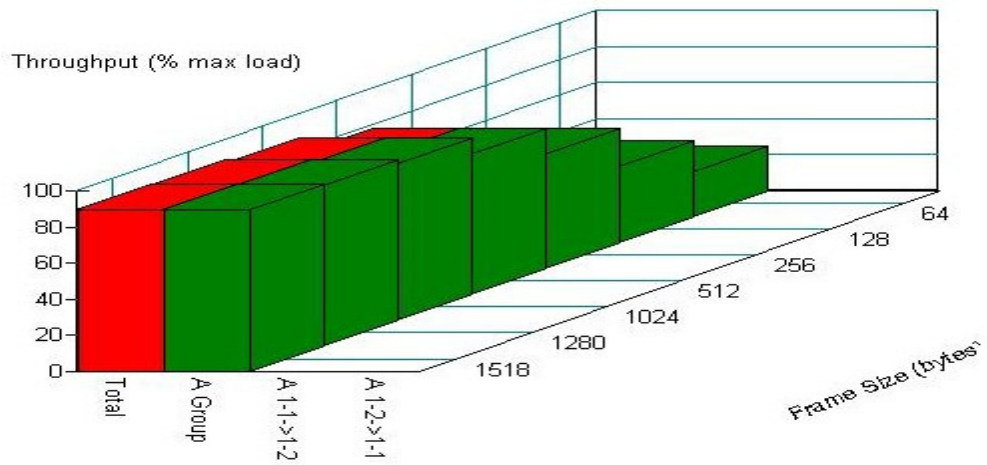


Throughput vs Frame Size

<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>
<b>Total</b>	38.8984375	70.609375	82.2109375	89.9453125	100	100	100
<b>A Group</b>	38.8984375	70.609375	82.2109375	89.9453125	100	100	100
<b>A 1-1-&gt;1-2</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A



2. Binary Direction (LAN1: Intel® Gigabit CT Desktop Adapter 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>
<b>Total</b>	24.203125	41.9921875	62.875	76.796875	86.078125	88.3984375	89.171875
<b>A Group</b>	24.203125	41.9921875	62.875	76.796875	86.078125	88.3984375	89.171875
<b>A 1-1-&gt;1-2</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>A 1-2-&gt;1-1</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A

### 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			(A40h)1234 (A42h)56 (A43h) 78

#### 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	
XEROX Phaser 3124 Laser Printer			X	

## 4. Application Test

### 4-1. PCI Slot Function (PCI Adapter Card) Test No Support

PCI Card	Function			Note
	Pass	Fail	N/A	

### 4-2. PCI-Express Function Test No Support

PCI-Express x1 & x4 & x16	Function			Note
	Pass	Fail	N/A	

### 4-3. Mini PCI Card Compatibility Test No Support

Mini PCI Card	Function			Note
	Pass	Fail	N/A	

### 4-4. CardBus (PCMCIA) Compatibility Function Test No Support

CardBus (PCMCIA)	Function			Note
	Pass	Fail	N/A	

### 4-5. Adapter Compatibility- Industry Control Card PC/104, PC/104+, PCI-104 Modules

#### 4-5.1. Device List: PC/104 Module No Support

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

4-5.2. Device List: PC/104+ Module  No Support

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

4-5.3. Device List: PCI-104 Module  No Support

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

4-5.4. Device List: PCI/104 Express Module  No Support

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

4-6. 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				

4-7. Peripheral Compatibility- Storage Device Test

4-7.1. 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				

4-7.2. 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				

## 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		
(+)V CORE	X			0.992	
(+) 3.3V	X			3.280	
(+) 1.5V	X			1.504	
(+) 5V	X			5.022	
(+) Vsb 5V	X			5.022	
(+) 12V	X			11.648	
Voltage Battery	X			3.200	
System Temperature 1	X			58°C	
System Temperature 2	X			59°C	
CPU Temperature	X			67°C	

## 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	-2 Sec	X			
RTC Clock in Power Off Mode	24 hrs	+/-2 sec	-1 Sec	X			

### 6-2. Booting Timer Test

Installation	Actual	Note
System Booting Time	6.31 Sec	Press the Power Button till "Beep" Sound appears

### 6-3. Watchdog Timer Test

Use Function as below: IT8712B.EXE

[ ] No Support.

Under Room Temperature: 26°C / DOS Mode

Time-out interval	Margin for error	Actual	Result			Note
			Pass	Fail	N/A	
10 sec	+/- 10%	10.9 Sec	X			Software provided by Aaeon S/W
60 sec	+/- 10%	65.8 Sec	X			

## 7. O.S. Compatibility Test

### 7-1. English CentOS 5.5 – Kernel 2.6.18.3- 194

[ ] No Support

#### Driver Information:

Chipset Software	CentOS 5.5 default
Graphics Media	CentOS 5.5 default
LAN Driver	CentOS 5.5 default
Audio Driver	CentOS 5.5 default

#### Install OS to SATA HDD:

Installation	Result			Note
	Pass	Fail	N/A	
Kernel 2.6.18.3- 194	X			Type uname -a

#### Test Result:

Test Item	Result			Note
	Pass	Fail	N/A	
<b>Display Function Test</b>				
VGA -- Full Screen	X			
<b>Network Function Test</b>				
Connect to Internet – LAN 1	X			
Connect to Internet – LAN 2	X			
<b>Base Function Test</b>				
Mouse Test	X			
Keyboard Test	X			
CD-ROM Test	X			
USB 2.0 Removable Devices	X			
<b>X Windows Application</b>				
Start Button Office	X			Office function
X-Window	X			Startx – Desktop in Linux
<b>Command Test On Text Mode: Attention Delay Phenomenon.</b>				
uname -a	X			Show information
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 7 Ultimate English Version 32/64Bit

[ X ] x32 Driver Information:

Chipset Software	Intel(R) 5 Series/3400 Series Chipset: 9.1.1.1023(2009/11/2)
Graphics Media	Intel(R)HD Graphics 8.15.10.1995(2009/11/6)
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 ALC888 6.0.1.5854 (2009/05/15)

[ X ] x64 Driver Information:

Chipset Software	Intel(R) 5 Series/3400 Series Chipset: 9.1.1.1023(2009/11/2)
Graphics Media	Intel(R)HD Graphics 8.15.10.1995(2009/11/6)
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 ALC888 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	X			

### Test Results:

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

### 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(2009/11/2)
Graphics Media	Intel(R)HD Graphics 6.14.10.5179(2009/11/9)
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 6.0.1.5854 (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	X			

### Test Results:

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



## 8. BIOS Function Test

### 8-1. Memory Beep Test

Test Item	Function		N/A	Note
	Pass	Fail		
Check if there is beep sound during power on inserting no memory			X	

### 8-2. Boot Sequence Test

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

### 8-3. Power Management Test

#### 8-3.1. 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

#### 8-3.2. ACPI Power Management Test

Test Item	Result			Note
	Pass	Fail	N/A	
Enable ACPI Auto Configuration	X			
Enable Hibernation	X			
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			

### 8-4. Power On Function Test

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

### 8-5. Power On after Power Failure Test

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

### 8-6. CMOS Backup / Clear CMOS Test

Test Item	Result			Note
	Pass	Fail	N/A	
CMOS Backup	X			
Clear CMOS Test			X	

#### 8-6-1. After Clear CMOS , Display will show " CMOS Checksum Error"

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

### 8-7. AAEON Tag Check Utility

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

### 8-8. TPM Function Test

Test Item	Result			Note
	Pass	Fail	N/A	
No Change			X	
Clear			X	
Enable & Active			X	
Disable & Disactive			X	

### 8-9. IAMT Function Test

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

### 8-10. BIOS SPI ROM

Test Item	Result			Note
	Pass	Fail	N/A	
Set South Bridge GPIO (LOW)			X	no battery bios test
Clear CMOS Disable			X	Load Optimized Defaults Disable

### 8-11. Supervisor / User Password Test

Test Item	Result			Note
	Pass	Fail	N/A	
Supervisor Password	X			
User Password	X			

## 9. Performance Test

### 9-1. Performance Test

Test Result: (Display set 1366\*768 test)

Testing Software	Scope		Note
	AAEON	Ref.	
<b>PCMark2002</b>			Only for XP
CPU	9949	-	
Memory	36210	-	
HDD	1306	-	
Benchmark (A)	-		
<b>PCMark2005 v120</b>			XP and Windows 7
PCMark	5010	-	PCMarks
CPU	7169	-	
Memory	5783	-	
Graphics	2250	-	
HDD	4610	-	
Benchmark (B)	-		
Average Efficiency	-		

Testing Software	Scope		Note
	AAEON	Ref.	
<b>3Dmark2003 v360</b>			Only for XP
3Dmark Score	3510	-	
CPU Score	759	-	
Benchmark (A)	-		
<b>3Dmark2006 v110</b>			XP and Windows 7
3Dmark Score	1147	-	
CPU Score	2756	-	
Benchmark (B)	-		
Average Efficiency	-		

Testing Software	Scope		Note
	AAEON	Ref.	
<b>Final Reality V1.01—BenchMark Test</b>			XP and Windows 7
2D image	61.28	-	
3D	4.45	-	
Bus transfer	70.92	-	
Overall	31.47	-	
Benchmark (A)	-		Reality marks

### 9-2. Memory Test

Test Item	Result			Note
	Pass	Fail	N/A	
MEM v4.10 Overnight Test	X			