GIGABYTE GIGA-BYTE TECHNOLOGY CO., LTD.

GA-7TEWH1
BIOS Regression Report

Model Name	:	GA-7TEWH1
Motherboard	:	GA-7TEWH1
PCB Revision	:	1.0A
Bios Version	:	F10(Checksum:0xE00A)
Release On	:	2011/06/17

This Document has been released from:

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1. Test Configuration

System Model Name	N/A	**Product Status**	MP
Mother Board	GA-7TEWH1	**M/B Revision**	1.0
Backplane Board	N/A	**B/B Revision**	N/A
Riser Card	N/A	**Riser Card Revision**	N/A
IPMI Board	N/A	**IPMI Board Revision**	N/A
LED Board	N/A	**LED Board Revision**	N/A
VGA	NVIDIA Quadro FX 1700		
BIOS Version	F10 (Checksum: 0xE00A)		
BIOS Setting	Load Optimal Default		
LAN1 EEPROM Version	1085		
LAN2 EEPROM Version	1090		
BMC Firmware Version	N/A		
Driver version:			
Chipset for Windows	9.1.1.1025		
VGA for Windows	8.17.12.7536		
LAN for Windows	Rel16.1OEMGenPV_235251		
VGA for Linux	N/A		
LAN for Linux	N/A		
IDE 1	N/A		
IDE 2	N/A		
SATA	Intel ICH10R		
SATA HDD	WD3200AAKS 320G		
Floppy	N/A		
Key Board	LONSAN(PS/2)		
Mouse	LONSAN(PS/2)		
Power Supply	ST-620PAF-05F		

CPU	**CPU**	Intel Xeon X5650 2.66GHz	**Quantity**	1
	QPI	6.4GT/s	**L2 Cache**	1536KB
	S-Spec	Q4EJ	**L3 Cache**	12288KB
Memory	**Size/FSB**	2GB / DDR3 4GB / DDR3	**Quantity**	12 / 6
	Vendor	elixir / Hynix	**Chip**	Nanya / Inphi
	Part Number	M2L2G72CB8PA0N-CG (1.5V) / HMT351U7BFR8A-H9 (1.35V)		

Add-in Cards	Slot	IRQ (DOS)	IRQ (Win)	BIOS	F/W	Driver	Peripherals	F/W
Intel PRO/1000MT Desktop Adapter	PCI					Package 16.1		
INTEL PRO/1000PM Desktop Adapter	PCI-E ×1					Package 16.1		
INTEL PRO/1000PM Desktop Adapter	PCI-E ×1					Package 16.1		
INTEL PRO/1000PM Desktop Adapter	PCI-E ×1					Package 16.1		
NVIDIA Quadro FX 1700	PCI-E ×16					8.17.12.7 536		

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2. Post Screen Check

Item	Description	Result With IPMI	Result w/o IPMI
System Information	BIOS Version	N/A	**PASS**
	IPMI Firmware Version	N/A	N/A
	CPU Information	N/A	**PASS**
	Memory Size	N/A	**PASS**
	CD-ROM/HDD detect	N/A	**PASS**
Option ROM	LAN Option ROM check	N/A	**PASS**
	SATA/SCSI Option ROM check	N/A	**PASS**

3. Bios Information Check

3.1 Main

Item	Check point	Result With IPMI	Result w/o IPMI
Advanced Processor Options			
1	CPU Status Check	N/A	**PASS**
Memory Configuration			
1	Memory Capacity Check	N/A	**PASS**
2	Memory Slot Check (DIMM1 ~ DIMM12)	N/A	**PASS**
Hardware Monitor			
1	Temperature Monitor (according to Thermal Specification)	N/A	**PASS**
2	Voltage Monitor (+-10%)	N/A	**PASS**
3	Fan Monitor (Check Yes or No)	N/A	**PASS**
System Management			
1	BIOS Version Check	N/A	**PASS**
2	IPMI Firmware Version Check	N/A	N/A
I/O Device Configuration			
1	Serial Port 1 Check (Check with Mouse)	N/A	**PASS**
2	Serial Port 2 Check (Check with Mouse)	N/A	**PASS**
3	Parallel Port Check (Check with Loopback)	N/A	**PASS**
4	PS/2 Mouse Check	N/A	**PASS**
5	Legacy USB Support Check (Check with USB device)	N/A	**PASS**
6	Onboard Parallel ATA Check	N/A	N/A
7	Onboard Serial ATA Check (Should connect full quantity SATA HDD and boot up to OS for each SATA port)	N/A	**PASS**
8	On Board LAN device information Check (Celo tool)	N/A	**PASS**
9	Audio function Check (Sound driver installation, Line In, Line Out and Recorder)	N/A	**PASS**
10	Special slot & I/O Check. Also note which device has been verify on test report (ex: SODIMM RAID card connect HDD and check all information is correct and PCI-E x16 VGA card)	N/A	N/A
BIOS Upgrade / Downgrade			

1	BIOS Upgrade	N/A	**PASS**
2	BIOS Downgrade	N/A	**PASS**

4. OS installation

Item	Description	Test Time	Result With IPMI	w/o IPMI
Win2008	Install Windows 2008 Enterprise Server x64	1 hr	N/A	**PASS**
SP2	Install Service Pack 2	10 min	N/A	**PASS**
INF Driver	Install INF driver	2 min	N/A	**PASS**
LAN Driver	Install LAN driver	2 min	N/A	**PASS**
VGA Driver	Install VGA driver	2 min	N/A	**PASS**
APCI function	Check S1/S4/S5 function (wakeup by power button)	10 min	N/A	**PASS**
Stress	Run SPbest(File and Memory) and MaxPower (100% Loading)	8 hr	N/A	**PASS**

5. System Environment

Item	Description	Test Time	Result With IPMI	w/o IPMI
Environmental Cycle Test (Memory 1.5V)	SPbest Stress Test with Temperature 0°C (2h)-25°C (1h)-40°C (2h)	24 hr	N/A	**PASS**
Environmental Cycle Test (Memory 1.35V)	SPbest Stress Test with Temperature 0°C (2h)-25°C (1h)-40°C (2h)	24 hr	N/A	**PASS**

6. Release Note Check

Description	Result With IPMI	w/o IPMI
1. The BIOS only support MB Ver1.2 / MB Ver1.0.	N/A	**PASS**
2. Update audio codec table for ALC889A(MB Ver1.2) , ALC885A(MB Ver1.0).	N/A	**PASS**

7. Issue List

No.	Description
1	
2	
3	
4	