

# GA-7TCSV4

## BIOS Regression Report

Model Name : GA-7TCSV4

Motherboard : GA-7TCSV4

PCB Revision : 0.1

Bios Version : F5  
(Checksum:0xEE90)

Release On : 2011/08/23

**This Document has been released from:**

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## 1. Test Configuration

System Model Name	N/A				Product Status		DVT	
Mother Board	GA-7TCSV4				M/B Revision		0.1	
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	ASPEED / AST1300							
BIOS Version	F5(Checksum:0xEE90)							
BIOS Setting	Load Optimal Default							
LAN1 EEPROM Version	01							
LAN2 EEPROM Version	01							
BMC Firmware Version	N/A							
Driver version:								
Chipset for Windows	9.2.0.1030							
VGA for Windows	6.0.10.92							
LAN for Windows	Rel16.2OEMGenPV_237942							
VGA for Linux	N/A							
LAN for Linux	N/A							
IDE	N/A							
SATA ODD	TEAC DV-28S-V76							
SATA	Intel(R) ICH10							
SATA HDD	Hitachi HDT721025SLA380 250GB							
Floppy	N/A							
Key Board	Gigabyte GK-1U (USB)							
Mouse	BenQ M107 (USB)							
Power Supply	HIPRO HP-Q6100XC 610W Rev:H05							
CPU	CPU				Intel Xeon L5630 2.13GHz		Quantity	2
	QPI				5.86GT/s		L2 Cache	1024KB
	S-Spec				Westmere Q4EX			
Memory	Size/FSB				2GB / 1333MHz		Quantity	6
	Vendor				NANYA		Chip	NANYA
	Part Number				NT2GC72B8P AONL-CG 0846.TW			
Add-in Cards	Slot	IRQ (DOS)	IRQ (Win)	BIOS	F/W	Driver	Peripherals	F/W

## 2. Post Screen Check

Item	Description	Result	
		With IPMI	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	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 ~ DIMM6)	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	N/A
4	PS/2 Mouse Check	N/A	N/A
5	USB Controller Check (Check with USB device)	N/A	PASS
6	IEEE 1394 Controller Check (Check with IEEE1394 device)	N/A	N/A
7	Onboard Parallel ATA Check	N/A	N/A
8	Onboard Serial ATA Check (Should connect full quantity SATA HDD and boot up to OS for each SATA port)	N/A	PASS
9	On Board LAN device information Check (Celo tool)	N/A	PASS
10	Audio function Check (Sound driver installation, Line In, Line Out and Recorder)	N/A	N/A
11	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	PASS

BIOS Upgrade / Downgrade			
1	BIOS Upgrade (Use phlash16 utility)	N/A	PASS
2	BIOS Downgrade (Use phlash16 utility)	N/A	PASS
3	BIOS Upgrade (Use SPI utility)	N/A	PASS
4	BIOS Downgrade (Use SPI utility)	N/A	PASS

#### 4. OS installation

Item	Description	Test Time	Result	
			With IPMI	w/o IPMI
Win2008	Install Windows 2008 R2 Enterprise Server	1 hr	N/A	PASS
	Install Service Pack 1	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. Release Note Check

Description	Result	
	With IPMI	w/o IPMI
1. Fix DMI Type 0 BIOS version incorrect..	N/A	PASS