

Colorful GF GTS250 512M DDR3 R08 3F Spec

Model Name: GF GTS250 512M DDR3 R08 3F

OverView:

- *** Chip: NVIDIA GTS250 GPU**
- ***** Core Clock: 740MHZ
- Shader Clock: 1836MHZ
- Memory Clock: 2200MHZ
- Memory Bandwilth: 256BIT
- Memory Module: GDDR3 FBGA 0.8NS 512M
- **FAN Speed: 2500pqm ± 10%**
- **Noise Level: 29dB ± 10%**
- Interface: DVI+DVI+HDMI

ADVANTAGES:

- 1. Based on black PCB design and black cooler, that makes the card stylish and attractive .
- 2. With high quality cooling system: 4 pure copper heat-pipes and pure copper base, quiet and efficient.
- 3. With UVC (GPU Voltage Control) and VVC(VGA memory Voltage Control) switches onboard, they are used for adjusting the voltage of the core and memory, in order to enhance overclocking capability.
- 4. Use high-quality Ferrite Core Chokes and All-Solid Capacitors to ensure the graphics card a longer life.
- 5. Support for NVIDIA® PureVideo® HD Technology
- 6. PCI Express 2.0 Support, NVIDIA® PhysXTM-Ready.
- 7. Support NVIDIA 3-way SLI® Technology





Dual-link DVI port
 HDMI port
 GDDR3 0.8ns
 6-pin power connector
 UVC Control

6. Dual fan cooling system8. VVC Control

2. Dual-link DVI port

4. SPDIF connector

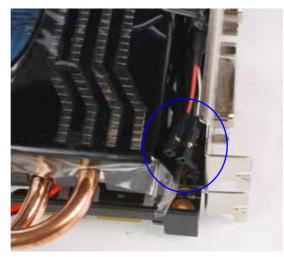
COLORFUL Technology&Development LTD.



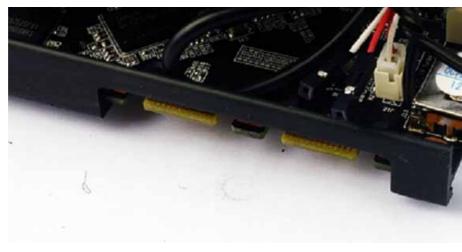
Parts of the graphics card:



Output: DVI+DVI+HDMI



The 2-pin SPDIF-IN pinhead is for the audio output of the HDMI. Please connect the other end to the SPDIF-OUT pinhead of the motherboard (**Please refer to the definition of SPDIF pinhead in the motherboard manual**). The RED cable is data cable, and the WHITE cable is GND.



3-way SLI Ready





SAMSUNG DDR3 0.8ns memory



4 pure copper heat pipes



6-pin power supply connector



Colorful New Product Specification



VVC Switch and UVC Switch

The VVC and UVC are used for adjusting the memory voltage and core voltage. When slide to the right-side, the voltage will be added, and the overclocking ability will be improved.



Accessories: 1* User's Guider, 1* Driver CD, 1* 6-pin Power Commutator cable, 1* DVI to VGA adapter.





The packaging

GPU-Z Reference

Graphics Card	Sensors	Valid	ation				
Name	NVIDIA GeForce GTS 250						
GPU	G92		Revision A2			O,	
Technology	65 nm		Die Size	330 m	im² [WIDIA	
Release Date	Jul 29, 2008		Transistors	754	1		
BIOS Version			62.92.62.0	0.08		4	
Device ID	10DE - 0615		Subvendor	L	Inknown	own (7377)	
ROPs	16 Bus Interface PCI-E			CI-E x16	@ x16		
Shaders	128	Unifie	d Direc	tX Supp	ort 10	.07SM4.0	
Pixel Fillrate	11.8 GPixel/s		Texture Fillrate		47.4 GTexel/s		
Memory Type	GDDR3		Bus Width		256 Bit		
Memory Size	512 MB		Bandwidth		70.4 GB/s		
Driver Version	nvldd	mkm 7	.15.11.8206 (F	orceW	are 182.0	16) / Vista	
GPU Clock	740 MH	z M	temory 1100	MHz	Shader	1836 MHz	
Default Clock	740 MH	z M	temory 1100	MHz	Shader	1836 MHz	
NVIDIA SLI		Disabled					

GTS250 chip based on 55nm, but GPU-Z shows wrong message



Colorful New Product Specification

TechPowerUp GPU-Z			
Graphics Card Sensors	Valida	ation	(Q)
GPU Core Clock	•	740.0 MHz	_
GPU Memory Clock	•	1100.0 MHz	
GPU Temperature	•	36.0 °C	
Fan Speed	•	0%	
🗖 Log to file			
Log to file Continue refreshing the provide the provided the	is scree	en while GPU-Z is	in the background

Start up temperature

TechPowerUp GPU-Z	0.3.2			
Graphics Card Sensors	Validati	ion		10
GPU Core Clock	•	740.0 MHz		
GPU Memory Clock	•	1100.0 MHz		
GPU Temperature	•	44.0 °C		
Fan Speed	•	0%		
Log to file Continue refreshing thi	sscieer	n while GPU-7 is ir) the back ground	

When run 3D mark 06