Colorful iGame GTX275- 896M DDR3 R07 UP Spec

Model Name:

iGame GTX275- 896M DDR3 R07 UP

OverView:

Chip: NVIDIA GTX275 GPU
Core Clock: 633/660MHZ
Shader Clock: 1404/1476MHZ
Memory Clock: 2268/2484MHZ
Memory Bandwilth: 448BIT
Fan Speed: DUTY CYCLE =100% 4000rpm±10%; DUTY CYCLE =0% ~30% 2000rpm±300rpm
Noise Level: 44.5dB MAX
Memory Module: GDDR3 FBGA 0.7NS 896M
Interface: DVI+DVI+HDMI

HighLight:

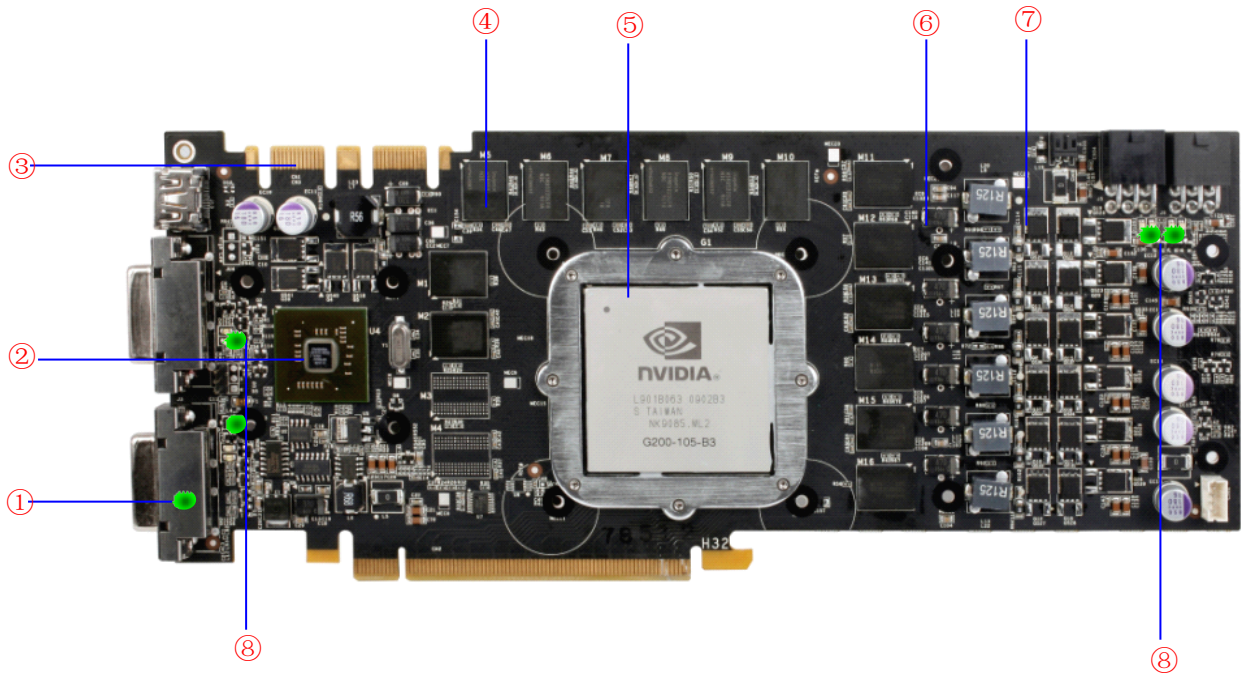
1. **Colorful high-end iGame* series graphics card, based on Colorful self-research, with personalized functions and amazing overclocking capability, better performance than the public version GTX275.**
2. **Using the 2nd ICS(i-Cooling System): Pure-copper design, turbo fan, lower noise level and fan speed intelligent control.**
3. **Silver Plating Technology(Refer to page 3), better thermal performace and stability.**
4. **L.A.D (LED Auto Detect): Detect the connector status automatically.**
5. **One-key Overclocking* supported**
6. **All-Solid-State Power Supply System: Use POSCAP capasitors R12 Chokes and Low-thermal MOSFET**
7. **Onboard the 2nd Generation of NVIO chip, which provids the best solution for HD movie and Blu-ray disc.**

* *Colorful iGame graphics card*

Colorful iGame series were established in Aug 2008, and it has made a great success in Chinese market. The iGame series graphics cards are all high-end graphics cards, with stylish design , high efficient cooling system and use a lot of luxurious components onboard to enhance the overclocking capability and stability.

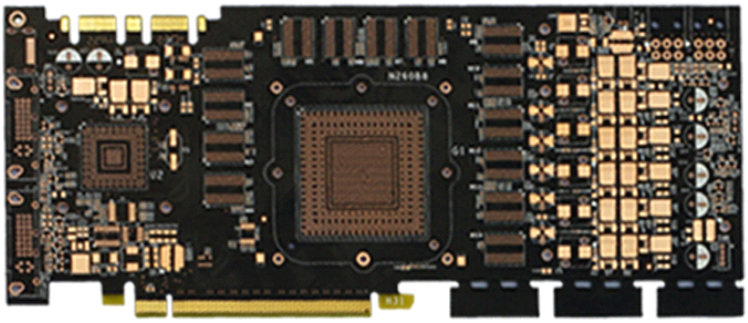
**One-key Overclocking*: The overcloking button is on the bracket of the graphics card. It is very convenient, users needn't use a lot of softwares to test or adjust the clock when they play a game that without good performance, but just need press the button.

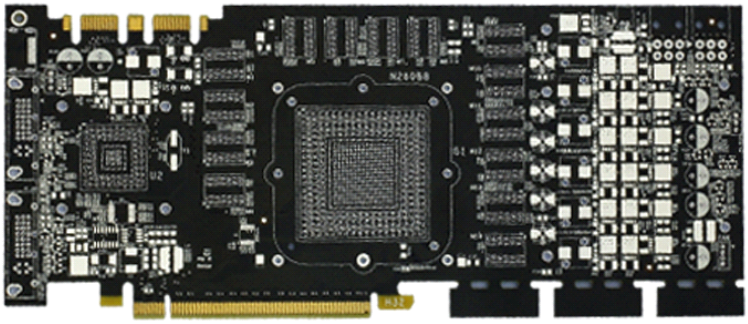
1. Dual-link DVI port
2. Dual-link DVI port
3. OC button
4. HDMI port
5. SPDIF connector
6. Dual 6-pin power connector
7. Pure-copper & 5 heat pipes & turbo fan cooling system



1. EMI Shield DVI port
2. NVIO chip
3. 3-way SLI ready
4. DDR3 0.8ns memory
5. G200-105-B3 GPU chip
6. POSCAP Capacitor
7. Low thermal MOSFET
8. Detecting LED light

Parts of the graphics card:

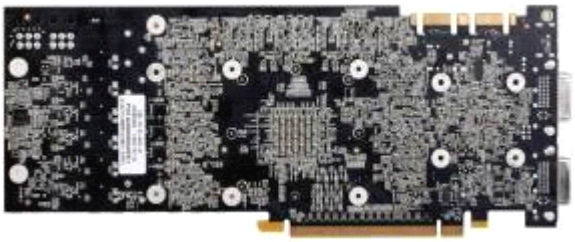




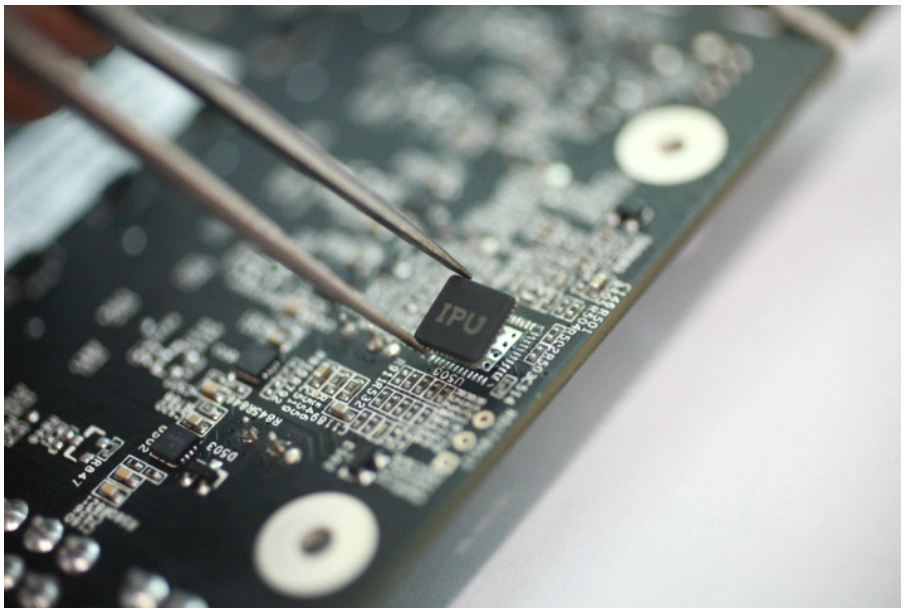
Resistivity (at 20° C)
Pure copper (1.67 μΩ cm)
Pure silver (1.59 μΩ cm)."

Silver-Plated PCB

Colorful used the particular Silver Plating Technology (Below) for Colorful iGame GTX275+, smaller resistivity than the copper plating PCB (Above). In an electric circuit, the greater the resistance to the flow of electrons, the weaker the electric current will be. Likewise, the smaller the resistance within the circuit, the greater the electric current. So the Colorful iGame GTX275+ has better performance and better overclocking capability than the public version GTX 275+ or other brand GTX 275+.

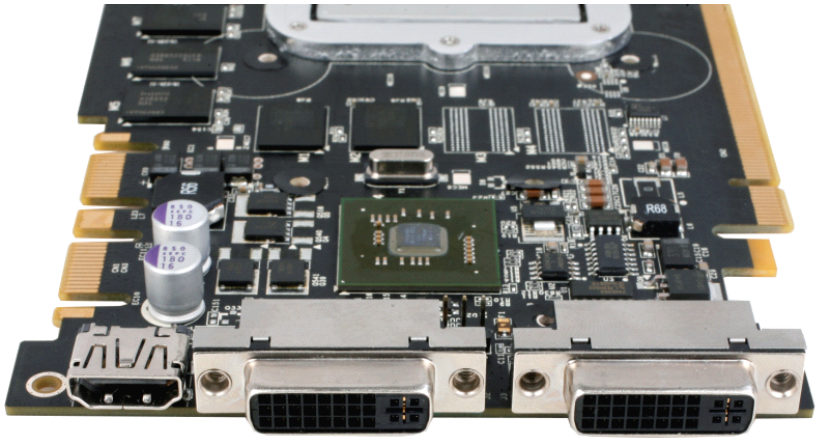


GTX275 use Silver Plating PCB



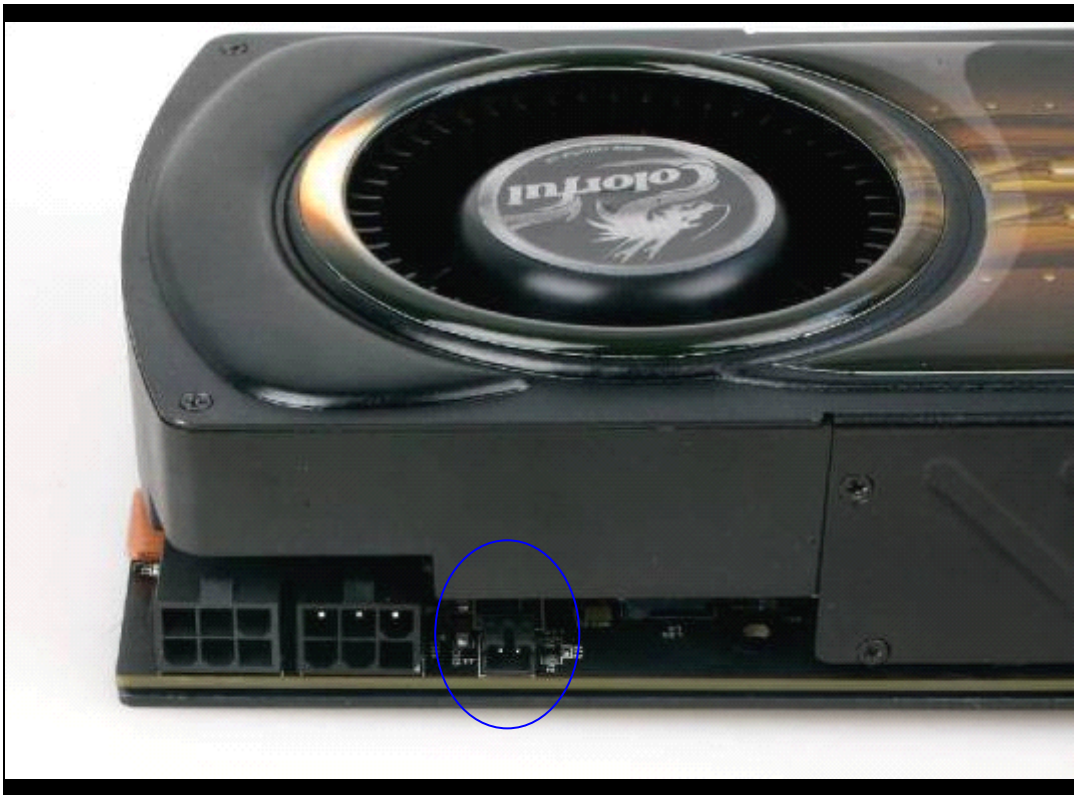
IPU Chip Integrated

IPU (iGame Power Unit) chip is a innovation which can adjust the power consumption in real-time according to the system load and assist to speed up the main units of the graphics card.

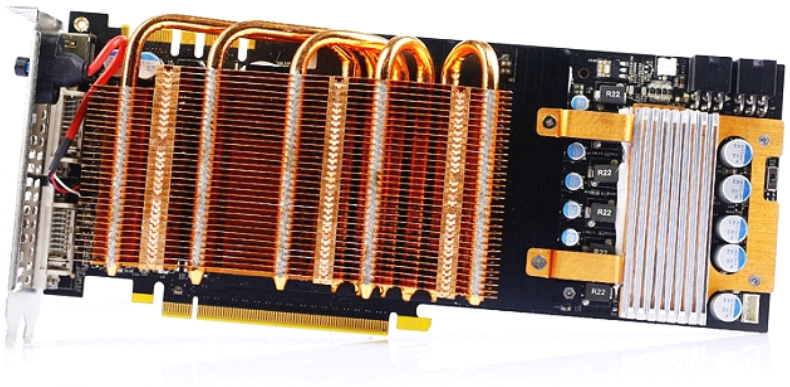


Output: DVI+DVI+HDMI

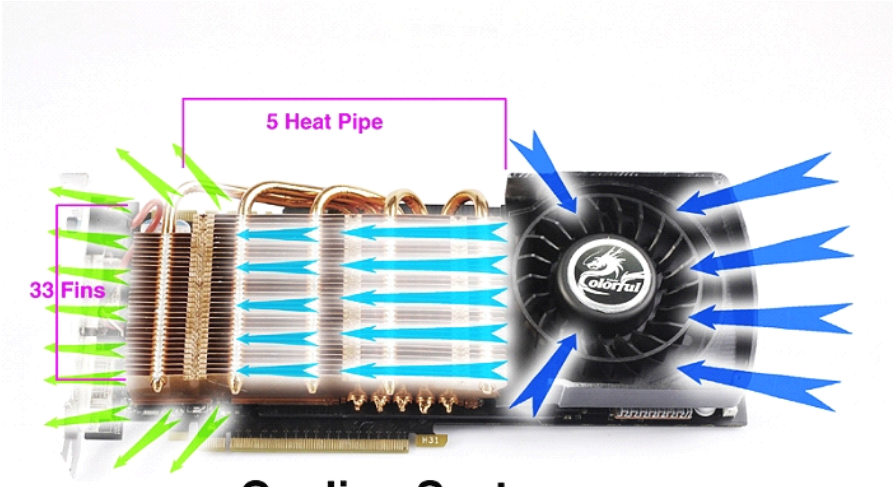
The EMI Shield DVI output port provides purer digital signals than traditional DVI output port.



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(SPDIF connecting cable is in the accessories).



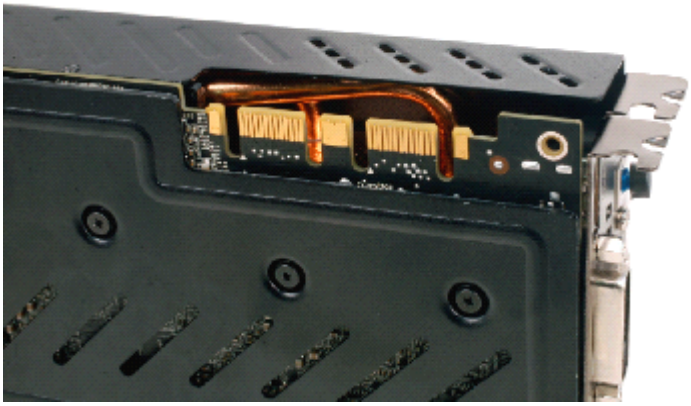
5 pure copper heat-pipes, pure copper fins and pure copper base



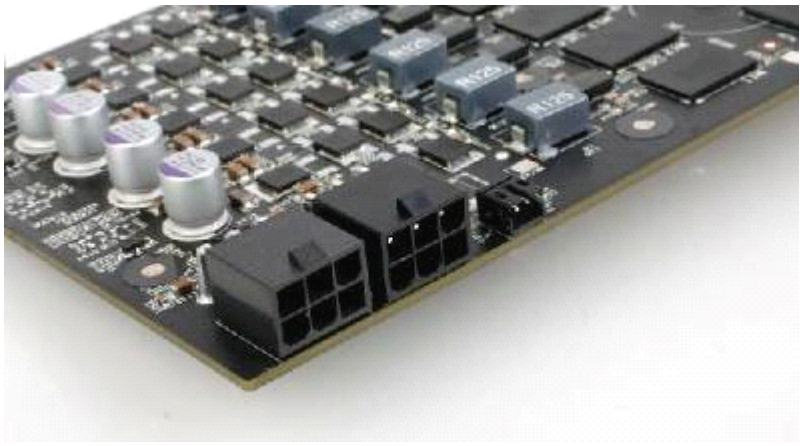
Cooling System

Wind way reference

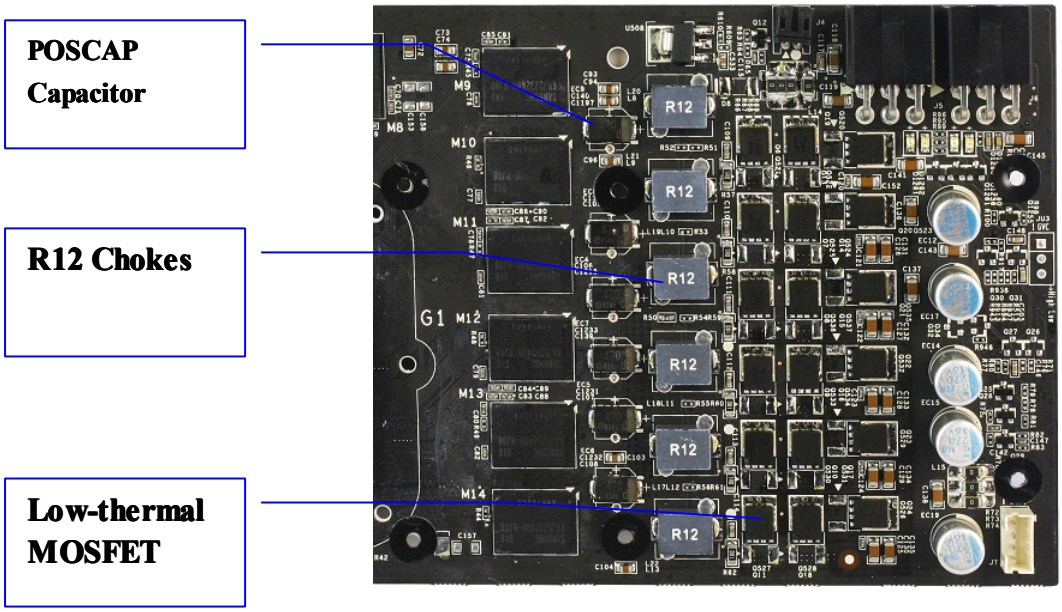
One-touch overclock ing button



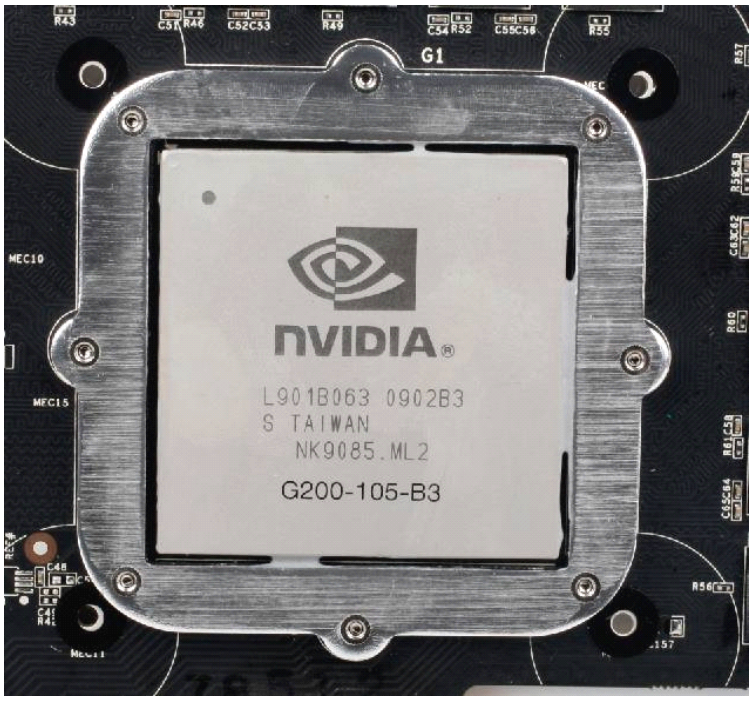
3-way SLI Ready



Dual 6-pin external power supply connector

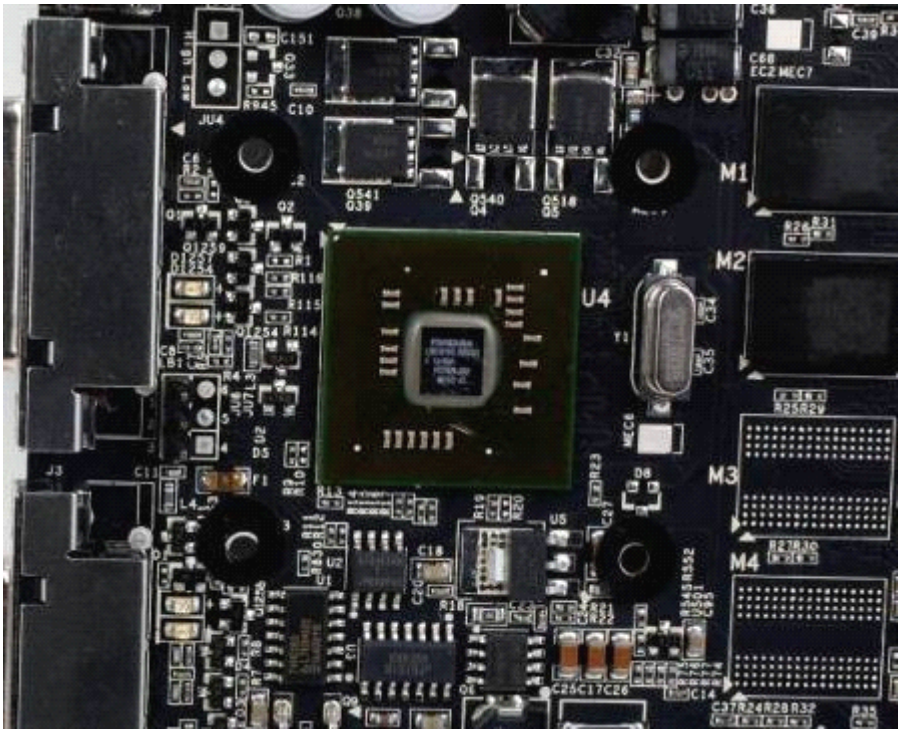


Strong 6 phases power supply system for GPU

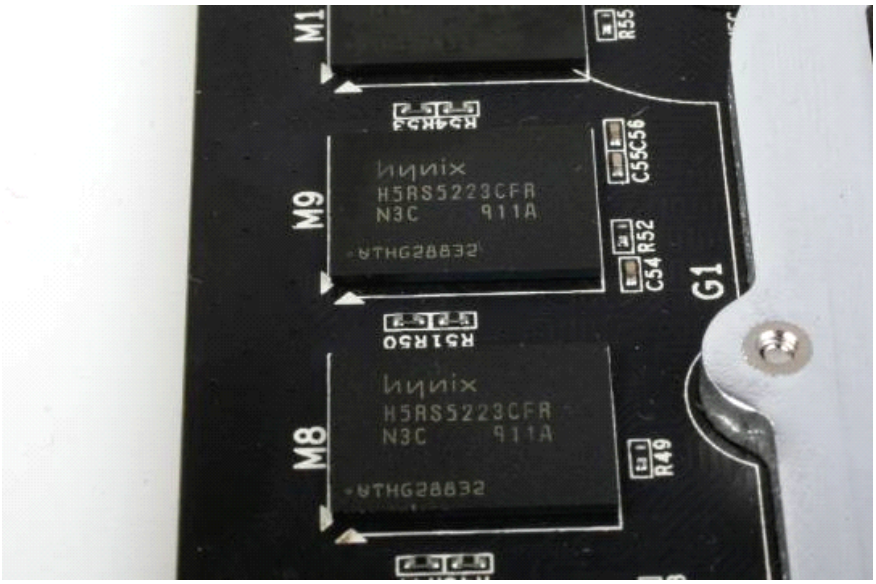


55ns GTX 275+ chip

The surrounded and covered GPU chip was very safe under the pure-copper cooler

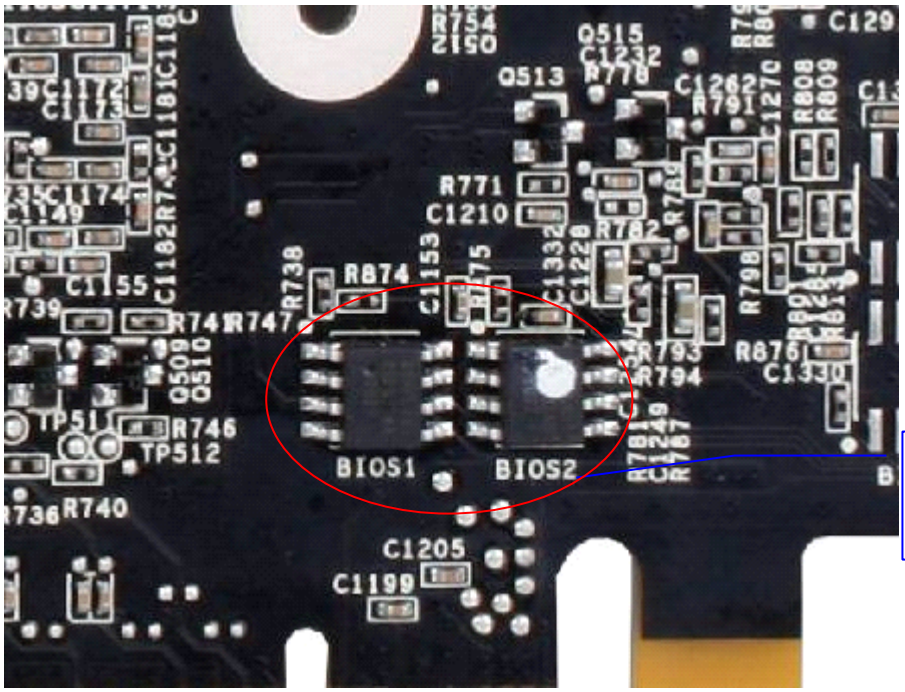


The 2nd Generation of NVIO chip



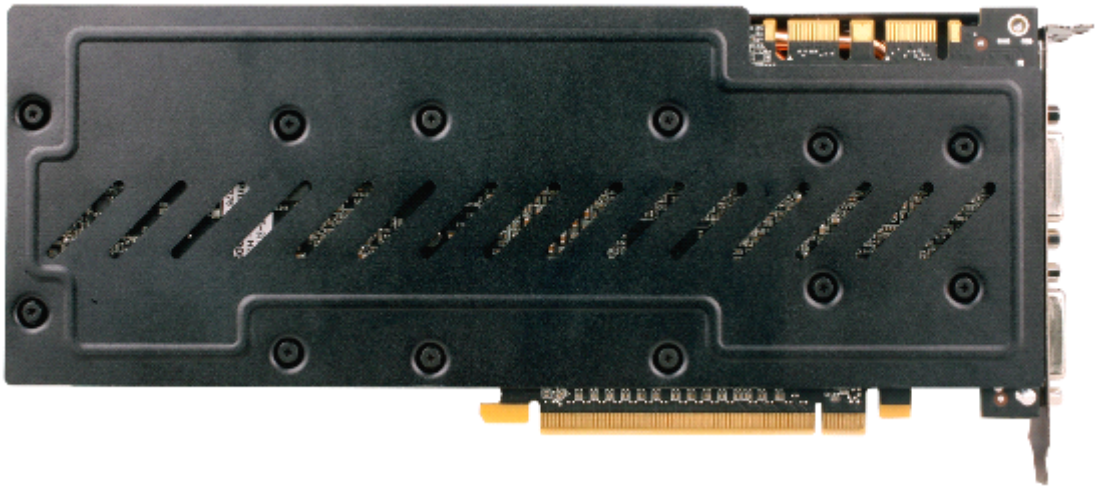
DDR3 0.7ns memory

World's first use 0.7ns memory on graphics card, it brings amazing overclocking capability. The iGame GTX275 may beat NVIDIA public version GTX285 in games after overclocking!



2 pieces of BIOS chip integrated

Dual-BIOS System provides two different clock BIOS which are stored in two BIOS chips. Users can select the clock they need. Additionally, users can safely update the BIOS from official released or self-modified, even if it fails, the graphics card can still boot with the other BIOS and then users can resume the bad one.



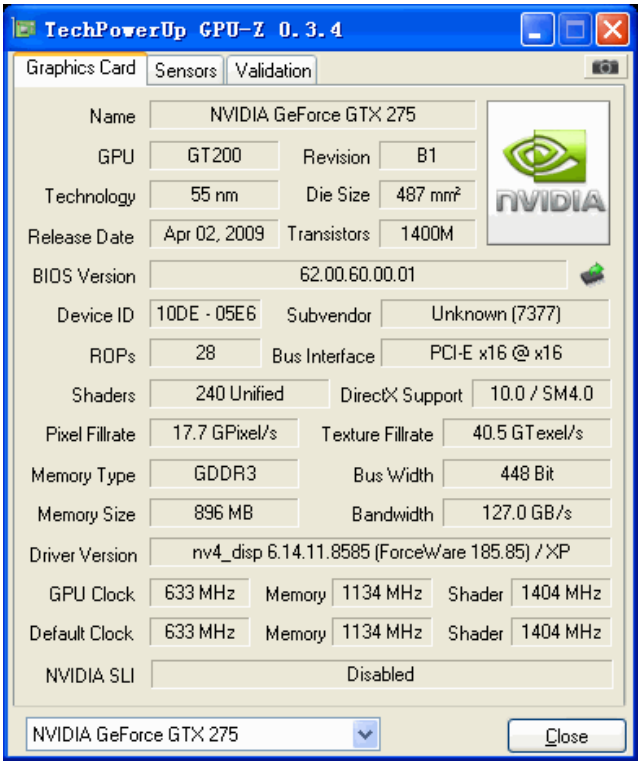
The back panel makes iGame GTX275 have a stronger structure

Accessories: 1* User's Guider, 1* Driver CD, 2* 6-pin Power Commutator cable, 1* DVI to VGA adapter, 1* SPDIF connecting cable.

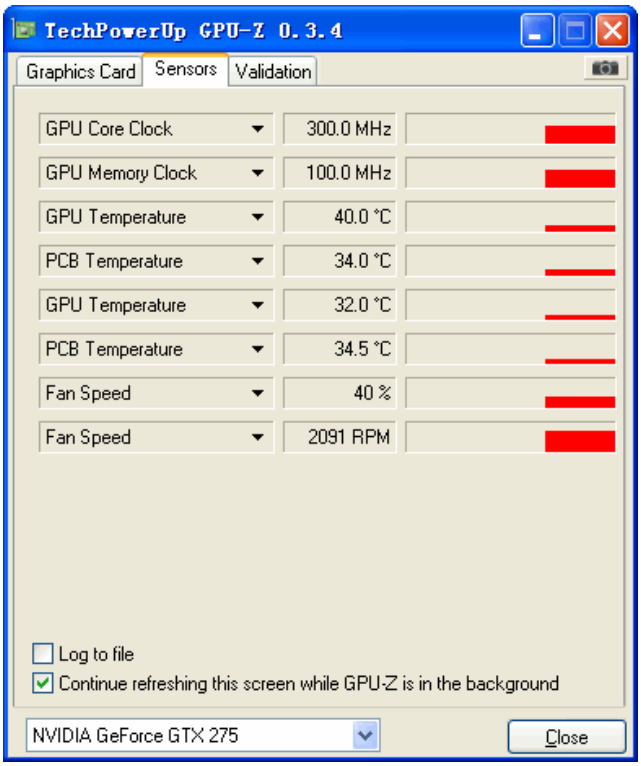
The packaging and the card

GPU-Z reference

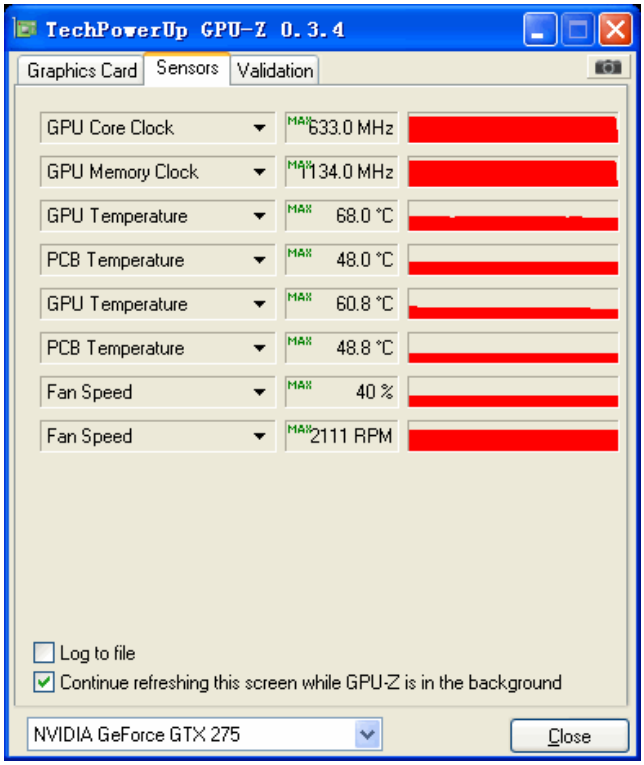
Normal(Low Clock)



Core/Shader/Memory: 633/1404/2268

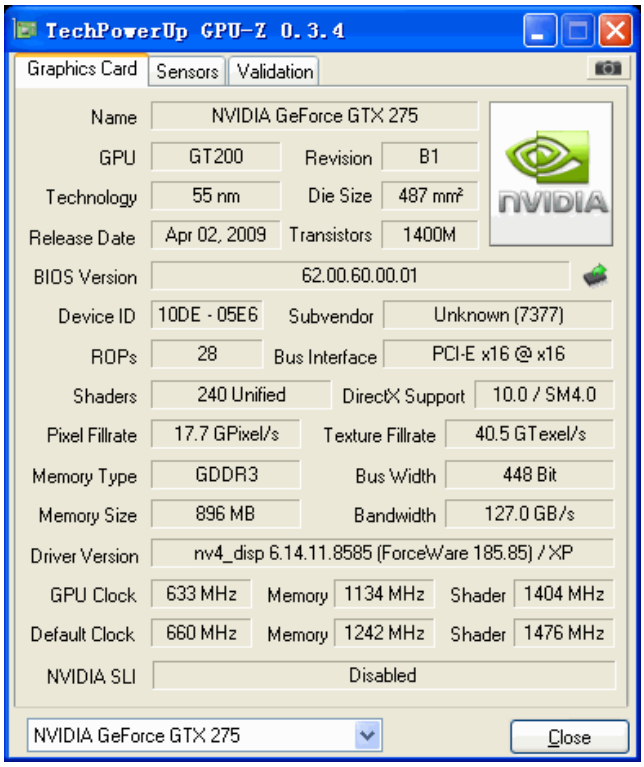


Startup Temperature

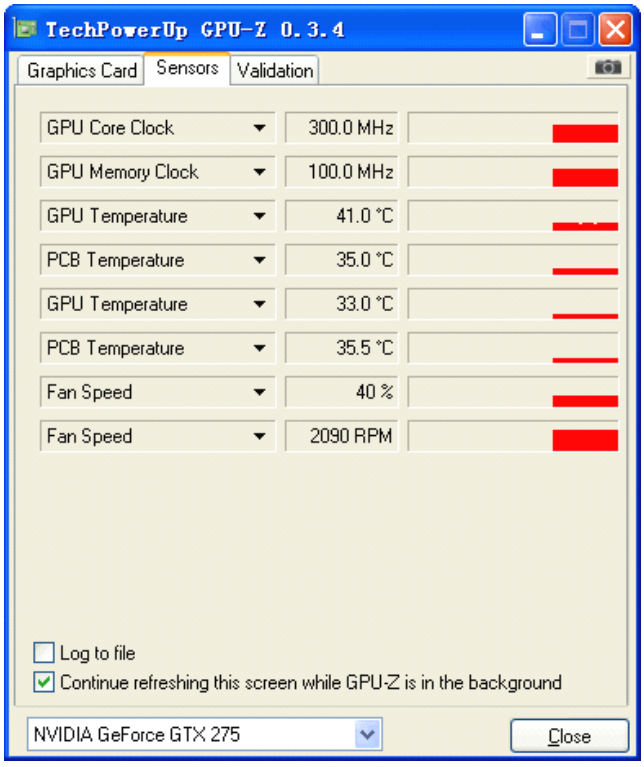


Run 3D mark temperature (MAX Temperature)

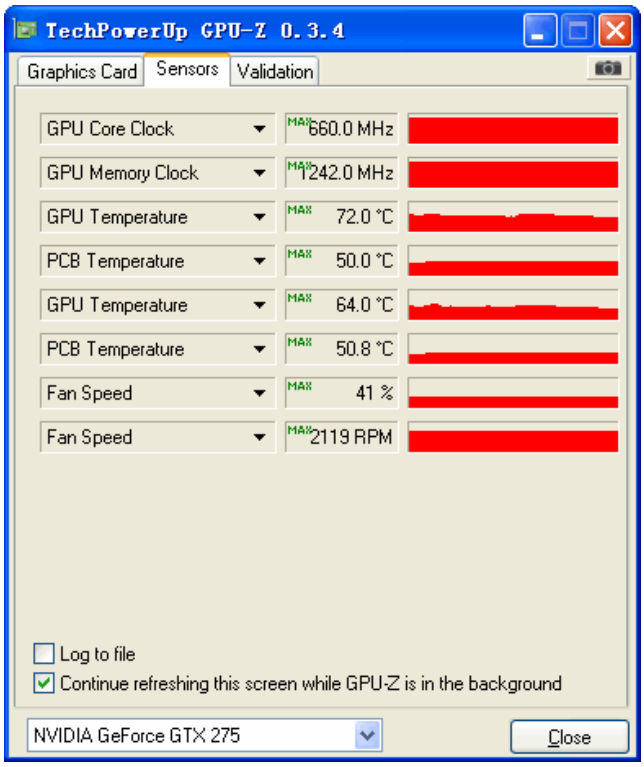
Turbo (High Clock)



Turbo model Core/Shader/Memory: 660/1476/2484



Startup Temperature in Turbo model



Run 3D mark in Turbo model (MAX Temperature)