

Colorful430-1024M D3 LP (N430-103-L02)




Model Name:..... 1
Specification:..... 1
Parts of the graphics card: 3
GPU-Z and FurMark Reference:..... 5
Windows 7 Experience Index: 6
Performance (For reference only):..... 6



Model Name:

Colorful430-1024M D3 LP (N430-103-L02)

Specification:

Chipset	GPU	NVIDIA GeForce GT 430 (GF108)
	Manufacturing Process	40 nm
	CUDA cores	96
Clock Speeds	Core Clock	700 MHZ
	Shader Clock	1400 MHz
	Memory Clock	1586 MHZ
Memory	Memory Size	1024 MB
	Memory Interface	128 BIT
	Memory Type	DDR 3, 1.2ns
Interface and Connectors	Video Output	VGA + HDMI + DVI
	PCI Express	2.0
	Additional Power connectors	N/A
	SLI	N/A
Thermal	Board Power (Idle / Load)	7.15 W / 50.61 W
	TDP (NVIDIA)	49 W
	Temperature (Idle / Load)	31 °C (GPU-Z) / 69 °C (Furmark) ^{*Note1}
Cooling	Type	With Fan (5 cm in diameter)
	Fan Speed	4200 RPM ± 10%
	Acoustical Noise	30 dBA ^{*Note2}
	Fan Power Connector	2-pin
3D API	DirectX /Shader Model	11 / 5.0
	OpenGL	4.0
Others	Featured Technologies	  
	Form Factor	Single Slot
	Packaging	1* Graphics Card, 1* User's Guider, 1* Driver CD, 2* brackets

Note 1: The temperature is read from the software like GPU-Z and Furmark, and the data may not exactly show the actual electrical thermal status of the graphics card. Usually when tested by the infrared thermometer, the figures are always higher than those shown by software. However, considering few DIY users may use an infrared thermometer at hand to test the card's temperature, I give the software-based data here for reference, which should be more meaningful to most users.

Note 2: The acoustical data is the tested noise of the cooling Fan only, and the graphics card especially equipped in a particular PC case running in a certain room, the acoustical noise may be higher than the given figures here.

Parts of the graphics card:



Front View



Angle View



Side View



Video Ports

Provides VGA +HDMI + DVI ports. Different from previous generation 55nm graphics cards, the GT210/220 is integrated with audio decoder just like AMD/ATI, which means you needn't to connect the SPDIF-IN cable for the audio output of HDMI.

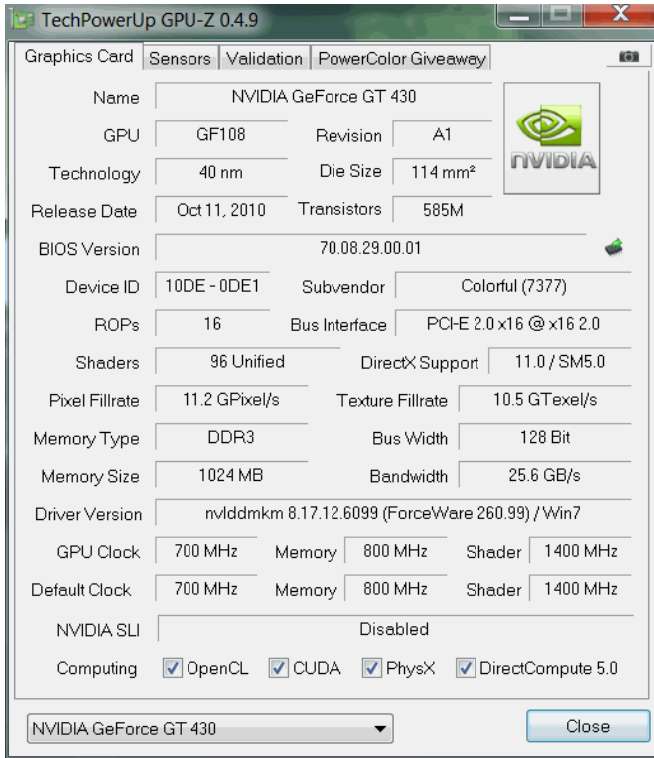


The Packaging and the card

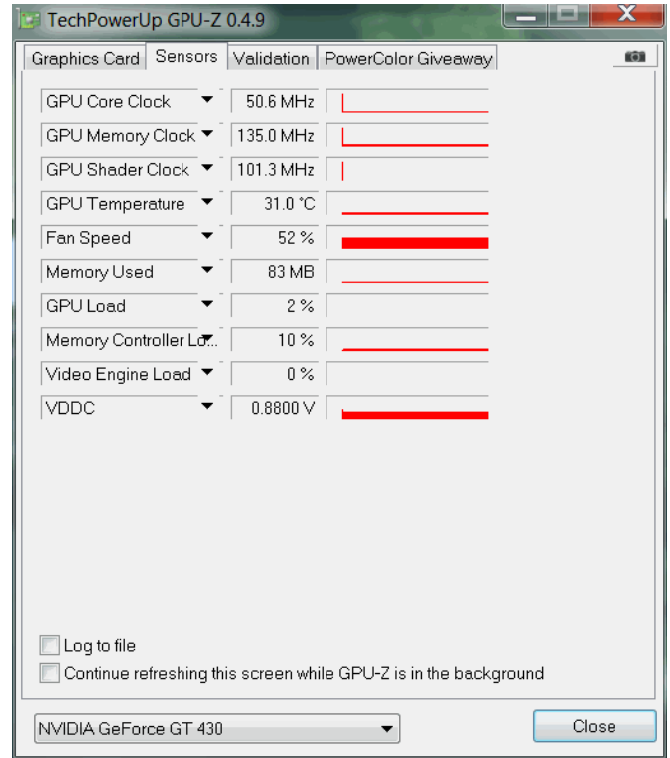


Accessories: Diver CD, User's Guider, 2* brackets

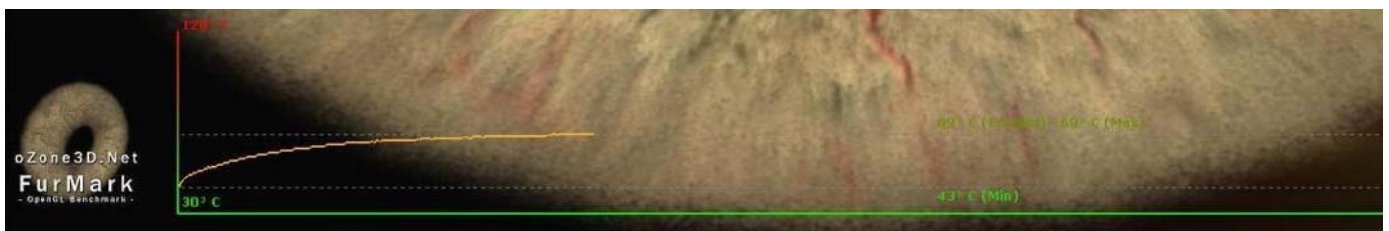
GPU-Z and FurMark Reference:



GPU-Z of 430: Graphics Card



Idle Temperature:31 °C



FurMark Full load: Max Temperature 69 °C

Windows 7 Experience Index:

Graphics: **6.6**

Gaming: **6.6**

Rate and improve your computer's performance

The Windows Experience Index assesses key system components on a scale of 1.0 to 7.9.

Component	What is rated	Subscore	Base score
Processor:	Calculations per second	6.0	<p>5.9 Determined by lowest subscore</p>
Memory (RAM):	Memory operations per second	6.0	
Graphics:	Desktop performance for Windows Aero	6.6	
Gaming graphics:	3D business and gaming graphics performance	6.6	
Primary hard disk:	Disk data transfer rate	5.9	

Platform: Intel Pentium E5300/ Colorful C.P45 TWIN/ 2*Kingston 2G DDR3 1333MHz/ Seagate ST3500418AS 500G// Windows 7 Ultimate 32bit

Performance (For reference only):

Graphics card	GT 220	GT 240	GT 430	GT 430	HD 5550	HD 5450	HD 5670
Memory (MB/BIT)	512/128	512/128	512/128	1024/128	512/128	512/64	1024/128
Clock(MHZ)	625/1360/1580	549/1339/1790	700/1400/1600	700/1400/1600	550/550/1400	650/650/800	775/775/1400
Driver	260.99	259.19	256.22	256.22	8.753	8.782	8.782
3DMARK05 DX9/1024×768	14556	17398	12849	15810	12977	4947	14439
3DMARK06 DX9/1280×1024	7283	9354	6622	8262	6813	2488	7595
Vantage DX10/Performance	P3058	P4765	P3446	P4569	P3310	P741	P4249
Crysis V1.21 DX10 High / 1024×768/No AA	25.725	36.4	25.59	31.66	29.02	10.97	37.38

Test Platform	
VGA Driver:	197.45
Main Board /Chip /Driver:	ASUS P6T/X58/6.1.7600.16385
System BIOS:	V0707
CPU:	Intel core i7 920/2.67GHz
SIMM /DIMM:	Corsair 2G × 3 DDR3 1333Hz
Hard Disk Drive:	WD 1001FALS 1.0TB
Monitor:	DELL 3008 WFP-HC
POWER	Corsair CMPSU-620HX
OS:	Windows 7 Ultimate6.1(7600)