

Colorful440-1024M D5 (N440-105-N01)

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Model Name:

Colorful440-1024M D5 (N440-105-N01)

Specification:

Chipset	GPU	NVIDIA GeForce GT 440 (GF108)
	Manufacturing Process	40 nm
	CUDA cores	96

Clock Speeds	Core Clock	810 MHZ
	Shader Clock	1620 MHz
	Memory Clock	3200 MHZ
Memory	Memory Size	1024 MB
	Memory Interface	128 BIT
	Memory Type	DDR 5
Interface and Connectors	Video Output	VGA + HDMI + DVI
	PCI Express	2.0
	Additional Power connectors	1 *6-pin
	SLI	N/A
	Board Power (Idle / Load)	12.3 W / 79.1 W
Thermal	TDP (NVIDIA)	65 W
	Temperature (Idle / Load)	26 °C (GPU-Z) / 63 °C (Furmark) ^{*Note1}
Cooling	Type	With Fan (8 cm in diameter)
	Fan Speed	1800-3000 RPM ± 10%
	Acoustical Noise	28.5-34.3 dBA ^{*Note2}
	Fan Power Connector	4-pin
3D API	DirectX /Shader Model	11 / 5.0
	OpenGL	4.1
Others	Featured Technologies	  
	Form Factor	Dual Slot
	Packaging	1* Graphics Card, 1* User's Guider, 1* Driver CD, 1* 4-pin to 6-pin PCI-E power adaptor

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.

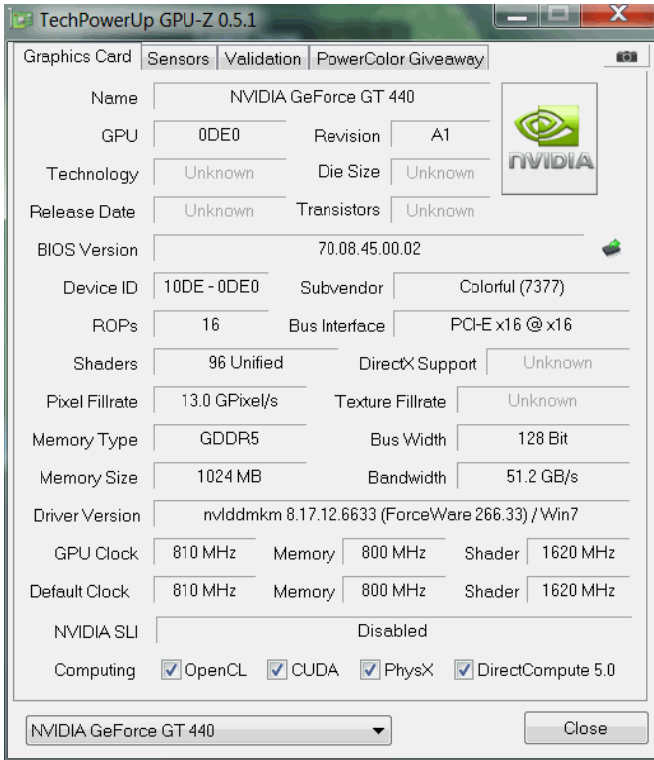


The Packaging and the card

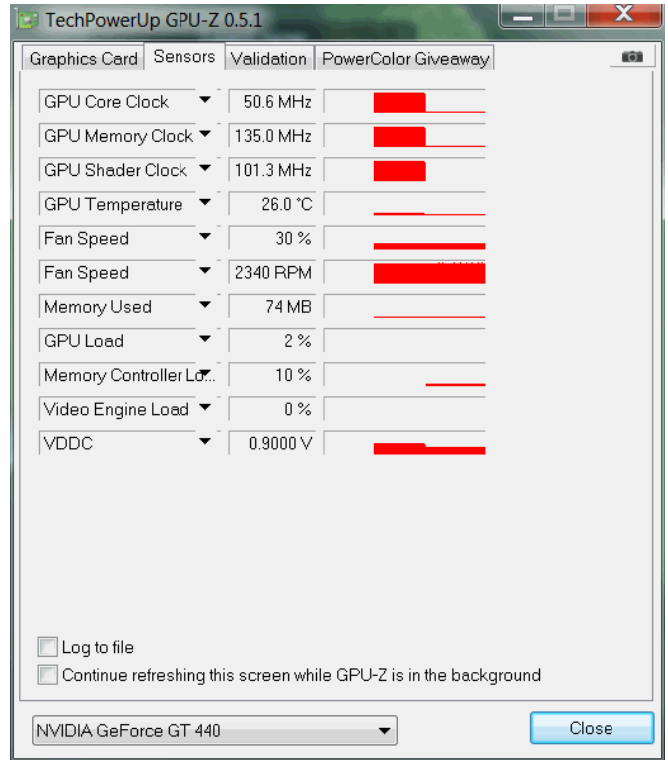


Accessories: Diver CD, User's Guide, 1* 4-pin to 6-pin PCI-E power adaptor

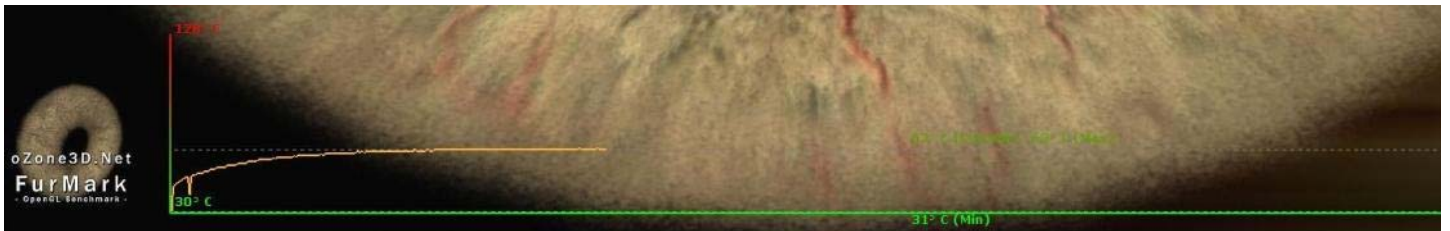
GPU-Z and FurMark Reference:



GPU-Z of 440: Graphics Card



Idle Temperature: 26°C



FurMark Full load: Max Temperature 63°C

Windows 7 Experience Index:

Graphics: **6.8**

Gaming: **6.8**

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>Determined by lowest subscore</p>
Memory (RAM):	Memory operations per second	6.0	
Graphics:	Desktop performance for Windows Aero	6.8	
Gaming graphics:	3D business and gaming graphics performance	6.8	
Primary hard disk:	Disk data transfer rate	5.9	



Colorful New Product Specification

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 240 D3	GT 240 D5	GT 430	GT 440	GTS 450	HD 5550 D5	HD 5670	HD 5750	
Memory (MB/BIT)		1024/128	1024/128	1024/128	1024/128	1024/128	512/128	1024/128	1024/128	
Clock(MHZ)		550/1340/1580	550/1340/3600	700/1400/1600	810/1620/3200	783/1566/3600	550/550/3600	775/775/1400	700/700/4600	
Driver		260.99	260.99	260.99	266.58	260.99	8.782	8.782	8.801	
Benchmarks	3DMARK05	DX9/1024×768	16322	18939	15787	18454	22533	15731	14439	20788
	3DMARK06	DX9/1280×1024	8695	10507	8262	10087	15475	8567	7595	14557
	3D VANTAGE	DX10/Performance	4317	5687	4542	5925	10627	4099	4249	8938
	3D MARK 11	DX11/Performance	N/A	N/A	1052	1283	2118	1094	1094	2190
Games	Call of Duty-Black Ops	DX9/1680×1050	44	56	35	49	86	41	59	81
	Tom Clancy's HAWX	DX10/1680×1050	28	36	32	38	67	30	42	61
	Dirt2	DX11/1680×1050	N/A	N/A	25.4	38.9	54.4	30.4	43.5	57.4

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)