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GV-N210D3-1GI (rev. 3.0)
GIGABYTE HD Experience Series

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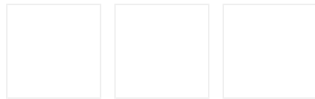
Where to Buy

GIGABYTE HD Experience Series

- Powered by NVIDIA GeForce 210 GPU
- Integrated with industry's best 1GB DDR3 memory and 64-bit memory interface
- Features Dual link DVI-I/ D-SUB/HDMI with HDCP protection
- Support NVIDIA® CUDA™ Technology
- Support NVIDIA® PhyX™ Technology
- *Minimum 300W or greater system power supply with

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Chipset	GeForce 210
Core Clock	590 MHz
Shader Clock	1405 MHz
Memory Clock	1100 MHz
Process Technology	40 nm
Memory Size	1 GB
Memory Bus	64 bit
Card Bus	PCI-E 2.0
Memory Type	DDR3

DirectX	10.1
OpenGL	3.1
PCB Form	Low Profile
Digital max resolution	2560 x 1600
Analog max resolution	2048 x 1536
Multi-view	2
I/O	HDMI*1 DVI-I*1 D-sub*1
Card size	197 mm x 121 mm x 24 mm
Power requirement	300W

* The entire materials provided herein are for reference only. GIGABYTE reserves the right to modify or revise the content at anytime without prior notice.

* Advertised performance is based on maximum theoretical interface values from respective Chipset vendors or organization who defined the interface specification. Actual performance may vary by system configuration.

* All trademarks and logos are the properties of their respective holders.

* Due to standard PC architecture, a certain amount of memory is reserved for system usage and therefore the actual memory size is less than the stated amount.

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Gold plated HDMI



Gold plated, durable large contact area connectors have been used for optimum signal transfer between connections



PhysX Technology



NVIDIA® PhysX™ is the next big thing in gaming! Delivering physics in games is no easy task. It's an extremely compute-intensive environment based on a unique set of physics algorithms that require tremendous amounts of simultaneous mathematical and logical calculations. The best way to get real-time physics, such as explosions that cause dust and debris, characters with life-like motion or cloth that drapes and tears naturally is with an NVIDIA® PhysX™-ready GeForce® processor. PhysX software is widely adopted by over 150 games, is used by more than 10,000 registered users and is supported on Sony Playstation 3, Microsoft Xbox 360, Nintendo Wii and PC. PhysX™ technology will take gaming to a whole new level.

CUDA Technology



NVIDIA® CUDA™ technology unlocks the power of the hundreds of cores in your NVIDIA® GeForce® graphics processor (GPU) to accelerate some of the most performance hungry computing applications. The CUDA™ technology already adopted by thousands of programmers to speed up those performance hungry computing applications.

Microsoft Windows 7



Microsoft Windows 7 is the next generation operating system that will mark a dramatic improvement in the way the OS takes advantage of the graphics processing unit (GPU) to provide a more compelling user experience. By taking advantage of the GPU for both graphics and computing, Windows 7 will not only make today's PCs more visual and more interactive but also ensure that they have the speed and responsiveness customers want.

RoHS Compliant



As a citizen of the global village, GIGABYTE exerts ourselves to be a pioneer in environmental care. Give the whole of Earth a promise that our products do not contain any of the restricted substances in concentrations and applications banned by the RoHS Directive, and are capable of being worked on at the higher temperatures required for lead-free solder. One Earth and GIGABYTE Cares!

Ultra Durable VGA™



Features & Benefits

GPU Temperature 5%~10% down

Ultra Durable VGA board provides dramatic cooling effect on lowering both GPU and memory temperature by doubling the copper inner layer of PCB. GIGABYTE Ultra Durable VGA can lower GPU temperature by 5% to 10%.

Overclocking Capability 10%~30% Up

Ultra Durable VGA board reduces voltage ripples in normal and transient state, thus effectively lowers noises and ensures higher overclocking capability. GIGABYTE Ultra Durable VGA graphic accelerators improve overclocking capability by 10% to 30%.

Power Switching Loss 10%~30% Down

Ultra Durable VGA board allows more bandwidth for electron passage and reduces circuit impedance. The less circuit impedance, the more stable flow of current and can effectively improve power efficiency. GIGABYTE Ultra Durable VGA can lower power switching loss by 10% to 30%.



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Related Product

GV-N220-1GI (rev. 3.0)

GV-N210D3-1GI (rev.
5.0)

GV-N210D3-1GI (rev.
2.0)

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