

## ENGTX460 DirectCU TOP/2DI/768MD5

### DirectCU Thermal Solution & Over-Clocked Edition!!

#### ASUS Exclusive Innovations

#### I/O Specifications

- ASUS Exclusive **Voltage Tweak Technology** for up to 50% performance



- Native mini HDMI & HDCP Compliant
- Native Dual-link DVI-I
- HDMI via adapter
- D-sub via adapter

- ASUS Exclusive DirectCU Thermal Solution: Two 8mm flattened copper heat-pipes to contact GPU directly for up to 20% COOLER than generic GeForce GTX460.



## ASUS Features



● **Gigantic 768MB GDDR5 Memory:**  
For the best gaming experience & resolution.



● **700 MHz engine clock overclocked**



● **PCI Express 2.0 support**



● **ASUS Smart Doctor:**  
Your intelligent hardware protection and powerful overclocking tool



● **ASUS Gamer OSD:**  
Real-time overclocking, benchmarking and video capturing in any PC game!



● **ASUS Splendid:**  
Watching movies on PC is as good as on Top-of-the-line consumer television



● **GPU Guard:**  
Doubles structural reinforcement. Cracks free!



● **EMI Shield:**  
Effectively blocks 66% radiations to protect user's health and improve graphics clarity



● **Fuse Protection:**  
Fuse Protection technology delivers double the over-current protection for risk-free computing.

## Graphics GPU Features



**GEFORCE**  
**GTX 460**



● **GeForce CUDA Support:**

Unlocks the power of GPU's processor cores to accelerate the most demanding system tasks

● **NVIDIA PhysX ready:**

Dynamic visual effects like blazing explosions, reactive debris, realistic water, and lifelike characters.

**PhysX**<sup>®</sup>  
by **NVIDIA**



● **Microsoft® DirectX® 11 Support:**

Bring new levels of visual realism to gaming on the PC and get top-notch performance



● **Microsoft® Windows® 7 Support:**

Enable PC users to enjoy an advanced computing experience and to do more with their PC



● **SLI Support:**

Multi-GPU technology for extreme performance



● **Take your games beyond HD**

Dual-link DVI able to drive the industry's largest & highest resolution flat-panel displays up to 2560x1600

## Hardware Specification

Model	ENGTX460 DirectCU TOP/2DI/768MD5
<b>Graphics Engine</b>	GeForce GTX460
<b>Bus Standard</b>	PCI Express® 2.0
<b>Video Memory</b>	768MB GDDR5
<b>Engine Clock</b>	700 MHz
<b>CUDA Core Clock</b>	1400MHz
<b>Memory Clock</b>	3680MHz (920MHz GDDR5)
<b>Memory Interface</b>	192bit
<b>DVI Max. Resolution</b>	2560 * 1600
<b>DSub Max. Resolution</b>	2048 * 1536
<b>DVI Output</b>	2x Native Dual-link DVI-I
<b>HDMI Output</b>	1x Native HDMI (Mini HDMI)
<b>D-Sub Output</b>	1x via adapter
<b>HDCP compliant</b>	YES
<b>Software Bundled</b>	ASUS Utilities & Driver
<b>Note</b>	The card size is 9.46" x 4.73" inch

- Specifications are subject to change without notice.
- PCB color and bundled software versions are change without notice.
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