

Unrivalled visual quality and intense gaming performance with overclock edition!

ASUS Exclusive Innovations

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



- Up to **20% COOLER** than generic HD 6850 during game play and quiet operation under idle mode



ASUS Features

**790MHz
Overclock**

- **790MHz core overclock**
Enjoy outstanding performance with overclock edition

**1GB
GDDR5**

- **Gigantic 1GB GDDR5 Memory:**
On-board memory for the best gaming experience & the best resolution.

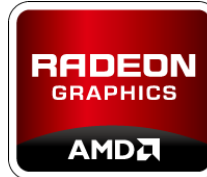
SmartDoctor

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

GamerOSD

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

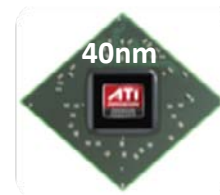
Graphics GPU Features



- **AMD Radeon™ HD 6850**



- **Microsoft® DirectX® 11 Support:**
Bring new levels of visual realism to gaming on the PC and get top-notch performance



- **40nm GPU:**
Less power consumption & more efficient transistor



- **Microsoft® Windows® 7 Support:**
Enable PC users to enjoy an advanced computing experience and to do more with their PC



- **CrossFire X Support:**
Multi-GPU technology for extreme performance



- **AMD HD3D™ Technology**
Optimize stereoscopic 3D gaming and movie-watching entertainment

I/O Specifications

- Native Display Port
- Native HDMI & HDCP Compliant
- Native Dual-link DVI-I & Single-link DVI-D
- D-Sub (via Adaptor)



- **ATI Eyefinity Technology:**
Extend the View across 3 Displays to immerse yourself in gameplay and entertainment

Hardware Specification

| Model | EAH6850 DC/2DIS/1GD5/V2 <small>*DirectCU is also known as "DC" in model name</small> |
|------------------------------|---|
| Graphics Engine | AMD Radeon™ HD 6850 |
| Bus Standard | PCI Express® 2.1 |
| OpenGL | OpenGL® 4.0 |
| Video Memory | 1GB GDDR5 |
| Engine Clock | 790 MHz |
| Stream Processor | 960 |
| Memory Clock | 4000MHz (1000MHz GDDR5) |
| Memory Interface | 256 bit |
| RAMDAC | 400MHz |
| DVI Max. Resolution | 2560 * 1600 |
| D-Sub Max. Resolution | 1920 * 1080 |
| D-Sub Output | YES X1 (Via DVI to D-Sub adaptor) |
| DVI Output | YES X1 (Native Dual-link DVI-I) YES X1 (Native Single-link DVI-D) |
| HDMI Output | YES X1 (Native) |
| HDCP compliant | YES |
| DisplayPort | YES X1 (Native regular DP) |
| Adapter/Cable Bundled | 1x DVI to D-Sub adaptor 1x CrossFire bridge 2x Power cable |
| Software Bundled | ASUS Utilities & Driver |
| Dimension | The card size is 10.24 inches x 4.84 inches |