



**e-GeForce 6800**  
**256MB DDR HDTV-Out PCI-E**  
**256-P2-N383**



**AT A GLANCE**

- 256-bit GeForce 6800 (325MHz clock)
- 256MB 256-bit 2.8ns (8x32) DDR Memory (300MHz clock - 600MHz effective)
- PCI Express x16 Compatibility (PCI Express Compliant)
- PC 99 DB-15 analog connector (VESA DDC2B + DPMS)
- DVI-I Connector for Analog/Digital Display
- Supports component video (HDTV-output)
- 19.2 GB per second memory bandwidth



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**3D FEATURES**

- Superscaler 16-pipe architecture
- CineFX 3.0 Engine
- UltraShadowII Technology
- 64-bit texture filtering and blending
- Intellisample 3.0 Technology
- 128-bit Studio precision computation
- Full speed 32-bit color precision
- SLI Ready

**OTHER FEATURES**

- NVIDIA nView™ multi-display technology
- NVIDIA Video Processing Engine (VPE)
- Integrated Dual 400MHz RAMDACs
- Advanced Adaptive De-Interlacing
- NVIDIA Digital Vibrance Control™ (DVC) 3.0
- 64-phase Video Scaler
- True color 64x64 hardware cursor with alpha
- Optimized for 32, 24, 16, 15 and 8-bpp modes
- Integrated Full-Hardware MPEG Support
- Maximum Analog Resolution: 2048x1536
- Maximum Digital Resolution: 1600x1200

**DRIVER SUPPORT**

- AutoInstaller with ADM\* Technology
- ResChanger©
- NVIDIA Unified Driver Architecture (UDA) (Windows 2000/XP)
  - Direct Draw
  - Direct3D
  - DirectVideo
  - DirectX
- Full OpenGL ICD for All Supported Operating Systems

**DIMENSIONS**

- height: 4.19in - 106.4mm
- length: 7.8in - 198.1mm

**ANALOG RESOLUTION CHART**

|             | 8-Bit | 16-Bit | 32-Bit |
|-------------|-------|--------|--------|
| 640 x 480   | 240Hz | 240Hz  | 240Hz  |
| 800 x 600   | 240Hz | 240Hz  | 240Hz  |
| 1024 x 768  | 240Hz | 240Hz  | 200Hz  |
| 1152 x 864  | 200Hz | 200Hz  | 170Hz  |
| 1280 x 960  | 170Hz | 170Hz  | 150Hz  |
| 1280 x 1024 | 170Hz | 170Hz  | 150Hz  |
| 1600 x 1024 | 120Hz | 120Hz  | 100Hz  |
| 1600 x 1200 | 120Hz | 120Hz  | 100Hz  |
| 1920 x 1080 | 100Hz | 100Hz  | 85Hz   |
| 1920 x 1200 | 100Hz | 100Hz  | 85Hz   |
| 1920 x 1440 | 85Hz  | 85Hz   | 75Hz   |
| 2048 x 1536 | 75Hz  | 75Hz   | 60Hz   |

Refresh rates shown are the highest obtainable and are monitor dependent. Resolutions, pixel depths and refresh rates are driver dependent and may not be available in all applications or operating system.

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**Product Specs**

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