

## Millennium G550 PCIe

### World's first PCI Express x1 graphics card



This cost-effective graphics card brings the reliability, stability, and features of the proven Millennium G550 product line to PCI Express systems. The [x1 design](#) of the card makes it compatible with all compliant PCI Express slots – especially useful for systems with no available PCI Express x16 slots.

In addition to having Matrox display drivers for Windows, the Millennium G550 PCIe is the world's first PCI Express graphics card with [open-source](#) display drivers for Linux and other Unix-like operating systems.

With support for using 2 monitors at a time and reliable passive cooling (a heat sink with no fan), this product is ideal for a variety of mission-critical professional applications, including computer-aided dispatch, security monitoring, and process control. By helping to manage large amounts of information, Matrox multi-display technology can improve productivity and reduce errors.

#### Key features

- Matrox DualHead to use 2 monitors at a time (in "independent" or "stretched" mode)
- PCI Express card compatible with all compliant PCI Express slots (PCIe x1, x4, x8, and x16)
- Passive cooling (heat sink with no fan) for silent operation and extra reliability
- Unified Microsoft WHQL-certified drivers for Millennium G-Series products
- Easy-to-use Matrox PowerDesk driver interface
- Matrox Clone to view a copy of one display on the other display
- Matrox Multi-Display Zoom to view a portion of one display full-screen on the other display
- Matrox DVDMax to view hardware-accelerated video playback in a video window on one display and full-screen on the other display
- Support for displays with special aspect ratios
- Support for customizable unattended installation for rapid multi-system setup
- Open-source Linux/Unix display drivers available
- Global sales and technical support
- 3-year warranty



The Matrox Millennium G550 PCIe graphics card has a PCI Express x1 design that makes it compatible with all compliant PCI Express slots (x1, x4, x8, x16). Providing silent operation and extra reliability, the card features passive cooling (a heat sink with no fan).

#### Hardware included

- Matrox Millennium G550 PCIe graphics card
- 2 DVI-to-HD15 connector adapters

#### Software included

- Matrox display drivers for Microsoft Windows 2000 and Windows XP
- Matrox PowerDesk (driver interface and utilities)

#### Optional upgrades

- TV-output adapter cable (HD-15 to composite video and S-video)
- Linux (Red Hat, SuSE, Mandrake) display driver
- Sun Solaris x86 display driver

#### Maximum resolutions (per display)

- Digital: 1280 x 1024
- Analog, main display: 2048 x 1536
- Analog, secondary display: 1600 x 1200

## Supported monitor configurations

Monitor 1	Monitor 2
Analog	—
Analog	Analog
Analog	TV*
Analog	Digital
Digital	—
Digital	Analog
Digital	TV*
Digital†	Digital†

A *digital* monitor is any monitor using a digital signal with a DVI connector, typically a flat panel. An analog monitor is any computer monitor using an analog signal with an HD-15 or DVI connector, typically an analog flat panel or a CRT. *TV* output is for a device using an NTSC or PAL video signal (a TV or video recorder). \* Separate upgrade required. † The resolution of each display must be the same.

## Specifications

- ▶ Part number: G55-MDDE32
- ▶ Card type: PCIe x1 (PCI Express x1), compatible with all compliant PCIe slots (x1, x4, x8, x16)
- ▶ Graphics memory: 32 MB
- ▶ Bracket connectors: DVI x 2
- ▶ Card form factor: ATX
- ▶ Bracket form factor: ATX
- ▶ EMC certifications: Class B – CE, CSA, FCC, VCCI
- ▶ Card size: 4.4" x 3.6"

(Card size = length, not including bracket and bracket connectors x height, including slot connector)