

QUICKSPECS

Matrox Millennium G200 Graphics Controllers

OPTION KIT

**Matrox Millennium G200
AGP Graphics
Controller**
294308-B21

**Matrox Millennium G200
PCI Graphics Controller**
402544-B21
**8 MB memory
upgrade module for
PCI-based G200**
294418-B21

The Matrox Millennium G200 AGP Graphics Controller offered by Compaq is an integrated 2D-video accelerator that provides leadership 2D performance, high-resolution support, and multi-display capabilities when combined with Matrox Millennium G200 PCI Graphics Controllers.



OVERVIEW

The Matrox Millennium G200 AGP Graphics Controller offered by Compaq is an integrated 2D-video accelerator that provides leadership 2D performance, high-resolution support, and multi-display capabilities when combined with Matrox Millennium G200 PCI controllers. Both the AGP and PCI Matrox Millennium G200 graphics controllers are high-performance accelerators that will increase productivity in 2D environments including financial trading, electronic design automation, entry CAD, and web page development.

Performance -

Compaq continues to excel in performance with key features that include high-performance video controllers with full AGP 2X support (AGP version), 8 MB of graphics memory upgradable to 16 MB (SDRAM-based PCI controllers only), and leadership 2D Winbench 98 performance. In addition, the Matrox Millennium G200 controllers offer a new MGA-G200 128-bit Dual Bus graphics chip and provide a high-speed 250 MHz RAMDAC.

Functionality and Uses

The Matrox Millennium G200s offered by Compaq are high-quality graphics controllers for business users and professional 2D designers. They deliver outstanding performance in all 2D, and software DVD video acceleration; and a high quality 3D rendering engine for Direct3D based applications. The G200 does not support OpenGL.

Multi-display functionality is also available by combining the AGP-based Matrox Millennium G200 controller with up to three Matrox Millennium G200 PCI controllers, increasing the view area while minimizing use of desktop real estate.

Support for 8 or 16 MB of memory and a new Vibrant Color Quality feature ensures superior image quality and rendering precision for web-site development, electronic design automation and other 2D environments.

The Matrox Millennium G200 controllers run applications in 16.7 million photo-realistic colors. They also support true 24-bit color at resolutions up to 1920 x 1200, bringing photo-realism to documents with incredible detail, and are capable of supporting 24-inch monitors.

Quality and Compatibility

Compaq has a solid reputation for delivering high-quality, reliable enhancement products.

Compaq enhancement products are designed and tested to rigorous specifications, including tough qualification requirements for suppliers, stringent performance specifications, and a thorough testing process to ensure consistent quality from prototype to production

Service and Support

The Matrox Millennium G200 Graphics Controllers carry either a one-year warranty or the remainder of the warranty period for the Compaq unit in which it is installed, whichever is longer.

Round-the-clock support is offered by Compaq's 24x7 technical support hotline, and on-line support forums are available on the Internet.

KEY SPECIFICATIONS

Horizontal Frequency	31-113 kHz
Vertical Frequency	60-200 Hz
Video	PS/2 Standard
Default	VGA Mode 3 (80 characters, 25 lines)
Controller	Matrox MGA-G200
Bus Type	AGP (ATX and NLX)/PCI
RAMDAC	Integrated 250MHz
Memory Type	SGRAM on AGP version SDRAM on PCI version
Memory Amount	8MB (143 MHz)
Maximum Memory	8 MB SGRAM AGP controller, 16 MB for SDRAM-based PCI controller
Memory Speed	132 MHz
Data Path	128 bit
Controller Clock Speed	66 MHz
Maximum Vertical Refresh Rate	200 Hz
Maximum Horizontal Scan Rate	113.55 kHz
Maximum Pixel Clock	250 MHz
Compaq Products Supported	AP200, AP400, AP500, SP700
Operating System Support	Windows NT 4.0, 3.51 Windows 95, 98.

RESOLUTIONS SUPPORTED

1800 x 1440 Maximum Colors Maximum Refresh Rate Supported by Driver	65K (16.7M) 70Hz (60Hz)
1920 x 1200 Maximum Colors Maximum Refresh Rate Supported by Driver	16.7M 65Hz
1920 x 1080 Maximum Colors Maximum Refresh Rate Supported by Driver	16.7M 70Hz
1600 x 1200 Maximum Colors Maximum Refresh Rate Supported by Driver	16.7M 75Hz
1280 x 1024 Maximum Colors Maximum Refresh Rate Supported by Driver	16.7M 100Hz
1152 x 864 Maximum Colors Maximum Refresh Rate Supported by Driver	16.7M 120Hz
1024 x 768 Maximum Colors Maximum Refresh Rate Supported by Driver	16.7M 140Hz
800 x 600 Maximum Colors Maximum Refresh Rate Supported by Driver	16.7M 180Hz
640 x 480 Maximum Colors Maximum Refresh Rate Supported by Driver	16.7M 200Hz

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