

Millennium G200 LE

High performance 2D, 3D and DVD video



The new Millennium G200 LE (bulk) from Matrox introduces a new standard in low cost and mainstream graphics.

Moving to a new .25 micron technology, it is available to you at an additional cost saving that will effectively extend your reach from the high performance category into the mainstream market. This 128-bit DualBus video card delivers uncompromisingly high performance in 2D, 3D, and video without sacrificing the display quality and driver reliability that are so important to professional users. Featuring the new MGA-G200 graphics chip, the Millennium G200 LE exceeds Matrox's previous record in leading 2D performance, and brings new levels of 3D acceleration and video playback to the PC. It also introduces new display enhancement features for superior image quality and 3D rendering precision. In addition, Millennium G200 LE minimizes the total cost of ownership with unified driver support for Windows, full optimization for Matrox's manageability tools.

- > High performance 128-bit DualBus video card with full AGP 2X support
- > Advanced 2D, 3D, and software DVD video acceleration
- > High quality 3D rendering engine
- > New MGA-G200 graphics chip
- > 8 MB of SDRAM memory
- > High speed 250 MHz RAMDAC

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Advanced, New Graphics Technology

Millennium G200 LE's superior performance in 2D, 3D, and video stems from its revolutionary new MGA-G200 graphics chip. Featuring a unique 128-bit DualBus architecture, its graphics chip uses two independent 64-bit buses to better manage data and process graphics faster than other 128-bit engines. In addition, the MGA-G200 graphics chip provides full AGP 2X optimization for faster data transfer rates, and new SDRAM memory for storing larger amounts of off-screen data. Millennium G200 LE is so powerful that it will run applications in 16.8M photo-realistic colors faster than the competition can with only 65K colors.

High Quality Displays

Millennium G200 LE uses a high speed 250 MHz RAMDAC to produce crystal clear displays and to eliminate annoying screen flicker. It supports true 24-bit color at resolutions of up to 1920 x 1200, bringing photo-realism to documents with incredible detail. Users can view entire spreadsheets or multiple applications all at once without tedious scrolling or zooming, making it the best choice for large screen monitors.

Advanced 3D Rendering

Millennium G200 LE's advanced 3D features bring entry-level workstation performance to the PC. Its powerful 3D setup and rendering engine accelerates Direct3D and OpenGL applications with full 3D image effects. Its new Vibrant Color Quality feature ensures superior image quality and rendering precision for CAD, game development, and much more. Capable of rendering target frames in true 32-bit ARGB, Millennium G200 LE provides 24-bit color rendering without color banding or quantization, along with a true 32-bit Z-buffer for exceptional rendering precision.

DVD, MPEG-1 & MPEG-2 Video

Millennium G200 LE uses a high performance video engine for high quality software MPEG-1 and MPEG-2 video playback. Fitted with both a front and back-end scaler, it offers exceptional image quality at high frame rates for seamless playback of today's multimedia CD and DVD titles.

Unified Drivers

Matrox's unified drivers ensure easy manageability for companies looking to standardize with Matrox G200 products across many departments. Because Matrox G200 products use the same driver for each major operating system, MIS technicians can easily support all systems, and quickly update them with new driver optimizations for Windows® 98, 95, NT and OS/2.

Feature	Benefit
MGA-G200 128-bit DualBus graphics chip	Provides superior performance for 2D, 3D and video
8 MB of SDRAM memory (non-upgradeable)	Provides added performance and support for 24-bit color at up to 1920 x 1200
AGP 2X support	Optimized AGP read and write support and texturing from system memory
250 MHz RAMDAC	Delivers fast screen refresh for flicker-free displays
3D acceleration	Full 3D set-up and 32-bit rendering engine with vector anti-aliasing
Hardware accelerated 3D features	Supports advanced 3D features such as alpha-blending, bi-linear filtering, tri-linear MIP-mapping, fogging, anti-aliasing, and specular highlighting to deliver realistic 3D images
Vibrant Color Quality rendering	Delivers sharp contrast and colors for maximum photo-realism
Maximum 2D resolutions	1920 x 1200 in 16-bit color 1920 x 1080 in 24-bit color
Maximum 3D resolutions	1920 x 1080 resolution in 16-bit color, 1152 x 864 in 24-bit color
High quality video engine	High-speed software DVD playback
Matrox Diagnostic Program	Software utility verifies the health of your Matrox video card and identifies possible problems
Desktop Management Interface	Allows installation of peripheral software via Internet or LAN intervention
Power Management	Allows ACPI systems to go into sleep mode and power-on faster
Minimum system requirements	AGP enabled system with 8 MB of memory, Windows 95 or NT, CD-ROM drive

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