MATROX GXB-1000 - The complete color graphics solution.

**DISPLAY RESOLUTION:** 1024 x 768 pixels non-interlaced at 60Hz or up to 1600 x 1200 pixels interlaced at 30Hz

**READ/WRITE AREA:** 1024 x 1024 x 4 bits/pixel expandable to 1024 x 1024 x 16 or 2048 x 2048 x 4

**SPEED:** Four pipelined on-board processors draw graphics primitives at speeds of 50 to 800 nsec/pixel

**COLOR:** 16 display colors can be selected from a palette of 256 different shades

**SOFTWARE:** On-board 16 bit CPU with resident graphics software interprets over 256 commands and supports local segments, 2D primitives, tablet tracking, rubber banding, etc.

**MODULARITY:** GXB-1000 is fully Multibus compatible (IEEE-796), and operates from a single +5V supply

The GXB-1000 is a complete color graphics display system implemented on two Multibus boards. The system executes a display file containing high level graphics commands, generated by the user's host CPU. The GXB-1000 includes all the necessary hardware and software to draw lines, polygons, circles, characters, etc.

The GXB-1000 represents true state of the art performance. The boards generate the highest display resolution available from a raster scan device. The multi-processor pipelined architecture provides the highest possible drawing speeds.

Over six man years of Matrox programming effort have gone into the development of the on-board graphics software. An extensive command set allows the user to construct complex images with a minimal number of host CPU instructions and time.

The unmatched performance and low cost of GXB-1000 make it the perfect solution for OEM color graphic displays. Additionally, Matrox can provide RGB monitors, CPU boards, memory boards, cardcages and keyboards for complete display system requirements.