GXT-1000 — The Intelligent Affordable Alternative

Now you can get TEK-4115 functionality at a significantly lower cost. In many applications you can get even better performance. Plus, we can give you off-the-shelf delivery.

The GXT-1000 is a high resolution interactive graphics terminal. It is extremely powerful, and locally performs many high level functions, including full 2D transformations, local segment buffering, multiple viewport management, and GKS device support.

HIGH PERFORMANCE: The terminal uses a modular multiprocessor architecture to achieve very high performance. The main graphics engine is based on the powerful Intel 80286 CPU. Additional CPU's are used for communications, data base management, and display drawing.

HIGH RESOLUTION: The GXT-1000 has a displayable resolution of 1024 x 768 points and uses a 19" flicker-free color monitor. The terminal can display 16 colors (or optionally 256) from a palette of 4096 different shades.

LOCAL SEGMENTS: The terminal provides up to 1 Megabyte of local display segment storage. All viewing operations work on locally stored data, and are done without tying up the host. This means extremely fast system performance even with multiple users.

LOCAL VIEWING: Local viewing keys provide the operator with full Pan and Zoom capabilities. Viewing operations are performed without host support.

MULTIPLE VIEWPORTS: The GXT-1000 uses a full 16 bit (64K x 64K) world coordinate space. Up to 64 simultaneous graphics viewports, with their own window/viewport transformations, are supported.

TEXT PROCESSING: Four specialized “Dialog Areas” are provided for text processing. Dialog areas offer smooth scroll and VT-52 emulation for full screen program editing.

GKS SOFTWARE: Matrox also offers a GKS software package with Fortran callable routines. QUARTO/GKS runs under the VAX/VMS operating system.

GRAPHICS INPUT: The GXT-1000 provides complete keyboard, data tablet, and mouse interfaces. All GKS logical requests for pick, locator, choice, valuator, string, and stroke are supported. Additionally, the terminal offers tracking, inking, gridding, and rubber banding capabilities for graphics input.

LOCAL GRAPHICS PROCESSING: If you need local program development capability, consider the GXW-1000. The GXW provides full GXT compatibility and adds a separate 8086/8087 front end with CP/M-86 and 20M bytes of 5¼” floppy/Winchester disk storage. The GXW is also supplied with Fortran-77 plus full GKS software.

Call us now to receive a complete documentation package.

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