

A personalized, high-resolution display terminal that offers superior price/performance characteristics for CAD applications such as electronics engineering, mechanical drafting and structural analysis.

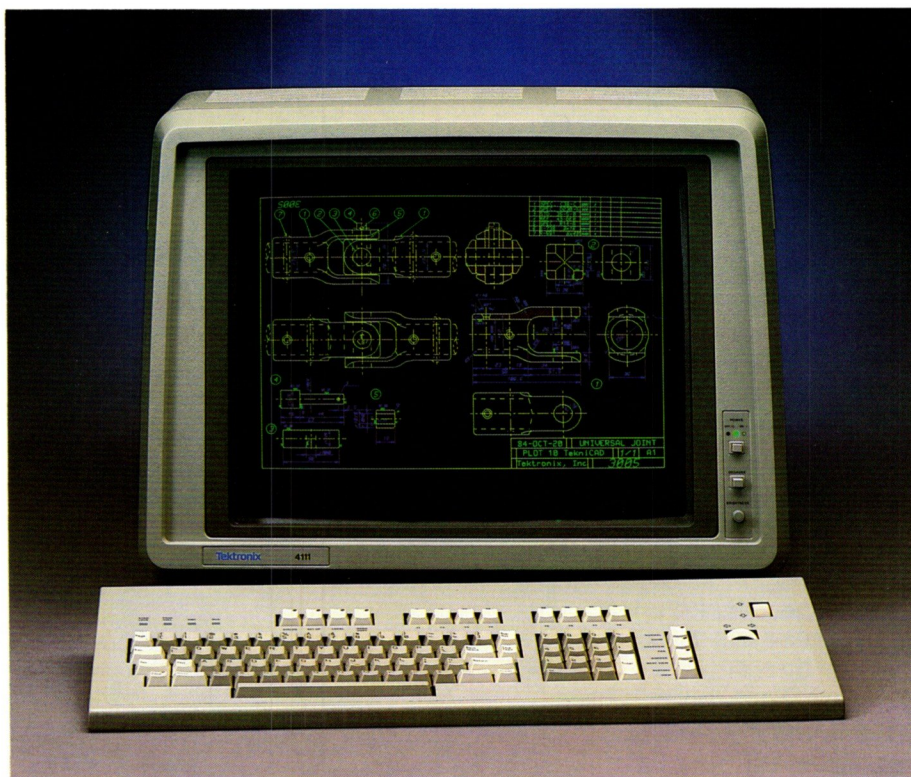
COMPUTER DISPLAY TERMINAL

The 4111's low cost and powerful capabilities make it an ideal personalized display system for CAD professionals. The 4111 starts with 1024 by 768 pixels of addressability and a drawing rate of 8750 vectors per second. Then it adds sophisticated graphics and push-button color-copier support—all backed by a worldwide network of service and support professionals. The result is a system that delivers superior quality and performance at an affordable price.

To produce sharp, clear images, the 4111's 32-bit virtual graphics space provides four billion by four billion addressable points, displayed in a 1024 by 768 pixel matrix. For optimum image quality, the 19-inch, color raster display is built around a precision in-line gun CRT.

The terminal operates in a 60-Hz, non-interlaced mode that minimizes both flicker and eye strain that often result. An anti-reflection enhancement panel further minimizes user fatigue.

Four bit planes are standard, allowing the simultaneous display of 16 colors for graphics, eight of which can be used in the dialog area. Each bit plane can be treated as a separate display surface, permitting the manipulation of layers of data—a feature that is particularly useful with multi-layer drawings such as IC design and printed circuit board design.



The 4111's 4096-color palette provides a broad range of shades from which to choose.

4100 Series compatibility is designed in. An extensive set of graphics functions are available, including multiple views, segments, surface support, and local zoom and pan. Also supported are such graphics input features as rubber-banding, gridding, inking, a user-definable cursor, and easy polygon-fill with any of 16 pre-defined patterns or a user defined pattern. The 256 KB local RAM is available to store picture elements for later use; up to 1 MB can optionally be added.

Advanced firmware routines aid the applications programmer in developing graphics software with a very interactive operator interface and excellent performance. Included

in the 4111's firmware are routines that handle:

- Segment editing
- Segment subroutines
- Pick operations
- Host window management
- Multiple scrolling dialog areas
- Pop-up menus

A variety of host software packages can be used with the 4111, including Tek's own PLOT 10® packages, such as PLOT 10 Computer Aided Drafting (TekniCAD) and PLOT 10 Computer Aided Presentation Software (TekniCAP).

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