Low-cost, high-performance color graphics and VT100®-compatible alphanumerics for engineering and scientific applications. Compatible with Tek 4010, 4100, 4110 and 4120 Series terminals.

COMPUTER DISPLAY TERMINAL

The Tek 4106A Computer Display Terminal rivals costlier displays in resolution, reliability and alphanumerics capability. Excellent display quality and a friendly input interface make creation and editing of color graphics and text incredibly easy. Communication rates of up to 38.4K baud ensure fast response. Two additional bi-directional RS-232 ports permit connection of peripherals such as plotters and tablets. A standard parallel port allows push-button copies on a variety of Tek color or black and white copiers, as well as many popular low cost printers.

Exceptional resolution. A flicker-free 60 Hz non-interlaced refresh rate, shadow-mask color CRT, and a 241 × 178mm (9½ × 7-inch) viewing area are responsible for the vivid clarity and brightness of the 4106A's 640 × 480, 13-inch (330mm) screen.

Flexible graphics storage. Internal RAM allows you to store selected picture elements for later redraw and manipulation. Maximize segment memory by allocating memory among other terminal functions, such as the dialog area buffer or input queue size.

You can zoom in on a selected portion of the display, and the 4106A will recompute the coordinate information and display the designated section in much greater detail.

Endless color graphics possibilities. With the 4106A you can draw solid or dashed lines in up to 16 colors, selectable from a total palette of 64. PLOT 10®-compatible, the 4106A offers 8 pre-defined line styles, 11 marker types, and easy polygon-fill with any of 149 pre-defined patterns which include solid colors and shaded patterns. Graphics text can easily be produced along with the capability to rotate and adjust text size.

Advanced graphics features include:

- Multiple views
- Segments
- Surface support
- User-definable graphtext
- Full 4110 graphics input features, including inking, rubberbanding, gridding, user-definable cursor and tablet support.

So easy to choose. An original Tektronix interface design makes selecting and changing colors quick and easy. You simply select a color with the cursor, then alter it by pressing the hue, lightness and saturation keys. Cycle through the entire color range to see your options. You can also select colors from a menu or simply leave color determination to defaults.

Plus alphanumerics. The 4106A displays alphanumeric information—in up to 8 colors—on a separate surface, so that host communications don't interfere with on-screen graphics. This user-defined dialog area may be from 2 to 32 lines long and either transparent or opaque.

Designed for convenience and comfort. For maximum productivity, the 4106A features a low-profile, standard DIN detached keyboard with complete ASCII characters; a 14-key numeric keypad; 4 special-function keys; 8 dedicated programmable function keys; and N-key rollover.

A new optional ergonomic feature is the lost cost tilt/swivel stand which allows the user to adjust the display to their individual needs.

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Wide-ranging software compatibility. The 4106A will accept any program written for Tek 4010 Series terminals and is upwardly compatible with programs for 4100, 4110 and 4120 Series terminals. It can be used with a wide range of utility and applications software, including Tektronix' PLOT 10 IGL (Interactive Graphics Library), PLOT 10 GKS (Graphical Kernal System), and PLOT 10 TCS (Terminal Control System); DISSPLA™ and TELL-A-GRAF™; SAS/GRAPH™; and popular personal productivity tools such as WordStar®, Super-Calc®2, DR Graph™ and InfoStar™.

The 4106A is also fully VT100-compatible with powerful editing and word processing designed to ANSI X3.64 standards.

Easy upgrade. If your applications change, no problem. An inexpensive field upgrade kit boosts your 4106A segment memory to 256K bytes, giving you full upgrade to a Tek 4107A.

Plug-in copiers. High-quality color copies can be produced on paper or transparency film using the low cost Tektronix 4695 Color Graphics Copier, or the higher performance 4691or 4692. The 4692 adds full dithering capability.

Economical and high-speed monochrome printers such as the Tek 4644 that utilize a Centronics-style parallel port and command set also can be attached allowing users multiple output choices, all available at the push of a button. These include the H-P ThinkJet® and Epson FX-80™.

Companion series. The Tek CX Series (CX4106A, CX4107A, CX4109A) bring high performance color graphics to the IBM 3270 environment through direct coaxial connection to IBM 3270 controllers. Additional information is available from your local Tektronix representative.

Ordering Information:
Standard accessories: Operator's Manual; Reference Guide; one power cord; one standard keyboard; one RS-232-C cable.

Options:

Opt. 4A	U.K. Keyboard
Opt. 4B	French Keyboard
Opt. 4C	Swedish Keyboard
Opt. 4F	Danish/Norwegian Keyboard
Opt. 4G	German Keyboard
Opt. A1	Universal Euro Plug
Opt. A2	U.K. Plug
Opt. A3	Australian Plug
Opt. A4	North American Plug
Opt. A5	Swiss Plug

Warranty-Plus Service Options:

Opt. NØ	On-site installation and setup
Opt. N2	On-site service plan, + 2 years upon warranty expiration
Opt. N3	OEM on-site service plan, + 12 months (tranferable)

Performance Characteristics:

Display size	330mm (13 in)
Viewing area	241 × 178mm (9.5 × 7 in)
Color palette	64
Displayable colors	
Graphics	16
Alphanumerics	8
Dialog area	
Characters × lines	80 × 32
Resolution	640 × 480
Addressable Points	4096 × 4096
Gin	Joydisk Tablet
Windowing	Yes
Zoom & Pan	Yes
Segments	Yes
Local Memory	32K Bytes
Communications	RS-232-C
Maximum baud rate with flagging	38.4K
Copier Support	4695, 4691, 4692, 4644
Local Graphics Processing	4170
Tablet Support	4957, 4958

Physical Characteristics:

Terminal Dimensions	**mm**	**in**
Width	419	16.5
Height	353	13.9
Depth	495	19.5 (plus 3.0 for cables)
Weight	**kg**	**lbs**
Net	20	44
Keyboard Dimensions	**mm**	**in**
Width	423	16.7
Height	41	1.6
Depth	180	7.1
Weight	**kg**	**lbs**
Net	2.3	5
Reliability		
MTBF	10,000 hrs.	
MTTR	20 min.	

Environmental Characteristics:

Temperature (operating) +10 to +40°C
Humidity 10 to 75% relative humidity, non-condensing
Line voltage
115V (nominal); 87-128V; 230V (nominal); 174-250V at 48-66Hz
Input power
200 W operating

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SAS/GRAPH is a trademark of SAS Institute, Inc.
WordStar is a registered trademark of MicroPro International Corporation.
InfoStar is a trademark of MicroPro International Corporation.
SuperCalc² is a registered trademark of Sorcim Corporation.
DR Graph is a trademark of Digital Research.
VT100 is a registered trademark of Digital Equipment Corporation.
PLOT 10 is a registered trademark of Tektronix, Inc.
ThinkJet is a registered trdemark of Hewlett-Packard Corporation.
FX-80 is a trademark of Epson Corporation.

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OEM prices and leasing programs (U.S. only) are available.

Some of the products, options or services mentioned in this brochure may not be available outside the USA. Contact your local Tektronix representative for details.

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