TEK 4207

A performance leader with industry standard Tek color graphics and VT100® compatible alphanumerics. Featuring resident intelligent graphics routines and versatile graphic input and output device support.

INTELLIGENT COLOR GRAPHICS TERMINAL

- ■ True Zoom and Pan
- ■ Optional Mouse
- ■ Local Graphic Segments
- ■ Background Graphics Copy Support
- ■ Downloadable Characters
- ■ IBM 3270 Coax Interface Option

The Tektronix 4207 Intelligent Color Graphics Terminal delivers high performance color graphics in a compact, space saving package. It is the ideal choice as a graphics station in engineering computing environments. The Tek 4207 has a palette of 64 separate colors. A Tektronix interactive color interface permits easy selection and display of any 16 colors on screen at the same time. This wide choice of colors makes individual portions of complex CAD drawings easier to differentiate and graphic representations more readily understood.

The Tek 4207 displays 640×480 lines of pixel resolution at 60 Hz, non-interlaced. Its 4×3 aspect ratio is optimized for graphics. Individual pixel spacing is identical in both the vertical and horizontal axis resulting in distortion-free images. A high contrast, anti-glare 13-inch CRT with .31mm dot pitch provides sharp alphanumerics and crisp, clean displays.

Zoom and pan. The 4207 also offers true local zoom and pan. Users may zoom in on a section of the graphic and with a simple keystroke produce a new image displayed in full detail of the 4207's 4096×4096 addressability (terminal space).

Resident graphic intelligence. The Tek 4207 features built-in intelligent graphics functions and 256K of system RAM (additional 1MB optional). This memory supports local storage and manipulation of picture segments.

This not only reduces host communication time, it also improves the interaction and response of graphics applications.

User definable viewports and surfaces. The Tek 4207 supports multiple views. Up to 64 separate views may be user defined and displayed in their own independent viewports. This permits viewing different portions of an image simultaneously or displaying different images concurrently for comparison purposes

The Tek 4207 also permits users to draw on surfaces independent of each other for more natural graphics creation, without extraneous information cluttering the screen. Surfaces can additionally be made visible or invisible, or overlayed to produce a composite image. Both surfaces and views may be combined for the multi-level images employed in printed circuit board design.

Gin. A 2-speed joydisk is integrated into the 4207's detachable keyboard for selecting and manipulating graphics. A three button mouse and tablet support are optionally available for additional functionality. Expanded interactive graphics input features include inking, rubberbanding and segment picking.

Graphics applications. Many sophisticated applications are available for the Tek 4207. Besides running programs developed for the Tek 4107A, it is compatible with programs written for Tek 4010, 4100/A and 4200 Series terminals. The 4207 is upward compatible with programs written for the Tek 4120 Series.

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Application software packages for technical data analysis, business graphics, CAD/CAM, mechanical drafting, mapping and cartography are obtainable from such leading vendors as SAS Institute, ISSCO, Precision Visuals, SDRC, PDA, and MCS. PLOT 10® TekniCAD (Computer-Aided Drafting) and TekniCAP (Computer-Aided Presentation) software packages also are available.

Alphanumerics. A user defined dialog area offers 8 simultaneous colors from the 64 color palette for fast identification of text and improved interactivity and productivity. Both text and graphics may reside on the screen at once, yet never interfere with each other, even when communicating with the host. Custom characters may be host created and downloaded to the 4207 to fit special requirements.

Industry standard ANSI ×3.64 and VT100® alphanumerics provide compatibility with DEC-based host environments. For IBM 3270 environments, a CX option is available for the 4207, providing IBM 3179 alphanumeric emulation. Distributed function terminal support is included for multiple, concurrent host/terminal sessions in IBM environments.

Background hardcopy. The Tek 4207 offers built-in background graphics hardcopy, freeing the terminal for work during graphics copying.

Tektronix color copiers are supported as well as the Hewlett-Packard LaserJet® and ThinkJet®, and the Epson FX-80.™

Small footprint. An innovative ergonomic design coupled with VLSI technology enables the Tek 4207 to fit comfortably in limited workspaces. Its small footprint also makes it an attractive candidate for non-traditional computing environments such as the shop floor.

With the Tektronix interactive color interface users may select a color index and quickly alter attributes such as hue, lightness and saturation.

Resourceful. Because of its innate compatibility, the Tek 4207 is able to access existing software bases. This not only saves capital outlay but also eliminates added training expenditures. With its MTBF rating in excess of 10,000 hours, the Tek 4207 will continue to save resources well into the future.

Performance Characteristics:

Display Size	330mm (13 in)
Viewing area	241 × 188mm (9.5 × 7 in)
Pixel Resolution	640 × 480
Addressability (terminal space)	4096 × 4096
Color Palette	64
Displayable Colors	
Graphics	16
Alphanumerics	8
Gin	Joydisk
	Mouse (optional)
	Tablet (optional)
Windowing	Yes
Local Zoom & Pan	Yes
Segments	Yes
Surfaces	4
Views	64
Local Memory	256K*
Optional Memory	1MB
Communications	RS-232C
Optional	IBM Coax
Maximum Baud Rate with Flagging	38.4K
Copier Support	4691, 4692, 4695 4696, 4644, 4510A HP LaserJet, HP ThinkJet Epson FX-80
Tablet Support	4957, 4958

Physical Characteristics:

Dimensions	mm	in
Width	380.70	14.99
Height	346.20	13.63
Depth	414.80	16.33
Weight	**kg**	**lbs**
Net	19.5	43
Reliability		
MTBF	10,000 hrs.	

Electrical Characteristics:

Line Voltage Range
87-128 (115V nominal)
174-250 (230V nominal)
48-66 Hz
Power Consumption
140W operating

Environmental Characteristics:

Operating Temperature
+10–40° C (50 – 104 F)
Humidity
10–75% relative humidity, non-condensing
Standards
RFI Standards
VDE Level B
FCC Class B

*Actual available memory will be approximately 32KB less because of system requirements.

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LaserJet and ThinkJet are registered trademarks of Hewlett-Packard Corporation
FX-80 is a trademark of Epson Corporation
IBM is a registered trademark of International Business Machines Corporation

Ordering Information:

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

Options:

Opt. A1	Universal Euro Plug
Opt. A2	U.K. Plug
Opt. A3	Australian Plug
Opt. A4	North American Plug
Opt. A5	Swiss Plug
Opt. CA	Coax I/F, U.K. Keyboard
Opt. CB	Coax I/F, French Keyboard
Opt. CC	Coax I/F, Swedish Keyboard
Opt. CF	Coax I/F, Danish/Norg Keyboard
Opt. CG	Coax I/F, German Keyboad
Opt. CX	Coax I/F, U.S. Keyboard
Opt. 4A	U.K. Keyboard
Opt. 4B	French Keyboard
Opt. 4C	Swedish Keyboard
Opt. 4F	Danish/Norwegian Keyboard
Opt. 4G	German Keyboard
Opt. 4M	Mouse
Opt. 22	Additional 1 MB Memory

Warranty-Plus Service Options:

Opt. N0	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 (transferable)
Opt. N4	On-site installation and set-up, OEM
Opt. N8	12-month firmware update coverage

For further information, contact:

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Telex: 74876/74886

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

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