

HEWLETT-PACKARD

HP SketchPro Graphics Tablet

Technical Data
September 1987

Features

HP quality, reliability and support ...

- New technology for unparalleled reliability
- Support for top PC CAD packages
- Attractive design with small footprint and overlay hold-down
- Superior resolution — up to 1219 lines per inch
- Multifunction softkeys with *Mouse Mode*

with everything included ...

- 4-button cursor
- Stylus
- HP Vectra/IBM AT serial interface cable
- IBM PC/XT adapter cable
- Set-up instructions for major PC CAD software packages
- Microsoft® Mouse driver files
- Overlay hold-down/protector

at an attractive price ...

The HP 7060A SketchPro Graphics tablet is a small-format (11 x 11 in.) tablet for personal CAD systems. It is used for quick menu selection, rapid cursor movements as well as tracing and drawing. Primary applications include mechanical, electrical and electronics CAD, and AEC (architecture/engineering/construction). Secondary applications include business graphics and desktop publishing (DTP).

A new low-cost technology for unparalleled reliability

A new Permuted Trace Ordering (PTO) technology (patent pending) allows Hewlett-Packard to minimize the SketchPro tablet's parts count, providing exceptional reliability. The SketchPro tablet meets the high reliability standards you expect from HP — and at an attractive price.

Supports top PC CAD packages

The SketchPro tablet's industry-standard RS-232-C/CCITT V.24 interface enables users to connect the SketchPro to the HP Vectra PC, IBM AT or IBM PC/XT and compatibles.

The HP SketchPro has 4 operating modes:

- Hewlett-Packard mode
- Summagraphics Bit Pad Two® (emulation)
- Hitachi HDG1111B (emulation)
- Microsoft Mouse (emulation)

With the first three modes, the SketchPro tablet supports today's most popular CAD software, such as AutoCAD™, VersaCAD® and CADKEY®. In Microsoft Mouse mode, the SketchPro tablet can be used with desktop publishing and business graphics software without having to switch between tablet and mouse devices.



A complete package

The SketchPro tablet provides everything you need, right in the box:

- a 4-button cursor *and* a comfortable stylus
- a cable for the HP Vectra PC, IBM AT and compatibles
- an adapter cable for the IBM PC/XT and compatibles
- set-up instructions for configuring with top PC CAD software
- Microsoft Mouse driver files for mouse emulation
- a clear anti-static overlay to protect menus and hold them securely in place without tape

Intelligent design

The HP SketchPro tablet has been designed with special attention to ergonomics, aesthetics, and convenience:

- slope and shape for maximum user comfort
- convenient anti-static overlay with a recessed area for tablet menus
- small footprint to save valuable desk space
- power on/off LED and a point-digitizing LED for positive feedback during operation.

Superior resolution and accuracy

- Resolution up to 480 lines per cm (1219 lines per inch)
- Accurate to within 0.5 mm (0.02 in.) of the selected point

Multifunction softkeys

The HP SketchPro tablet includes 12 predefined softkeys to improve input speed and flexibility. The most commonly used softkeys are:

- variable active areas to adjust the size of the working area
- aspect ratio adjustments for drawing perfect circles
- mouse mode control keys for software that does not support a tablet

Ten additional softkeys are programmable for software vendor use. When supported, these softkeys will provide additional functions for users.

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.

Specifications

Performance characteristics

Resolution	480 lines per cm (1219 lines per inch)
Accuracy	+/- 0.5 mm (0.02 in.)
Repeatability	+/- 0.25 mm (0.01 in.)
Proximity	2.5 mm (0.1 in.)
Jitter	None
Stylus Tilt	Any stylus tilt angles less than 90 degrees
Data Output Rate	Up to 120 pairs per second
Technology	Capacitive with patented Permuted Trace Ordering (PTO) system
Operating Modes	Hewlett-Packard Mode Summagraphics Bit Pad Two® (emulation) Hitachi HDG 1111B (emulation) Microsoft® Mouse (emulation)
Interface	RS-232-C/CCITT V. 24 (25-pin female connector)
Baud Rate	Up to 19,200 baud

Physical Characteristics

Overall Dimensions	325 mm x 343 mm x 50 mm
W x D x H	(12.8 in. x 13.5 in. x 2 in.)
Active Area	278 mm x 278 mm (11 in. x 11 in.)
Tablet Slope	7 degrees
Net Weight	Approximately 2 kg (4.4 lbs)
Shipping Weight	Approximately 3 kg (6.6 lbs)

Environmental Ranges

Temperature	-40 to 70 degrees C, non-operating 0 to 55 degrees C, operating
Humidity	15% to 95% relative humidity, operating
Shock	1/2 sine shock pulse < 3 ms duration 160 in/s delta velocity, non-operating Trapezoidal pulse. 30g, 292 in/s delta velocity

Power Requirements (Appropriate power module supplied for destination country)

Source	100-120V or 230-240V, depending on country
Frequency	60 Hz or 50 Hz, depending on country
Power	4.1 watts

Product Certifications

Safety	UL
RFI	FCC Class B VDE Level B
Acoustics	Less than 40 dB sound per A weighted scale

Ordering Information

Description	HP Part No.
HP SketchPro graphics tablet	7060A

Accessories supplied

Cable (1.5 m, 5 ft.)	RS-232-C CCITT V.24 9-pin (F) to 25-pin (M) cable (for use with HP Vectra, IBM AT and compatibles)
Adapter Cable (0.15 m, 6 in.)	RS-232-C CCITT V.24 9-pin (M) to 25-pin (F) adapter (for use with above cable for IBM PC/XT and compatibles)
Stylus	16 cm stylus with 0.75m cable
Cursor	4-button with 0.75m cable
5.25-in. disc	Microsoft Mouse driver files
Other	Power module, overlay hold-down, softkey overlay, user guide, software set-up instructions, and warranty card

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