

HEWLETT-PACKARD

Advance Copy

The Touchscreen II Personal Computer The Easy-to-Use Computer for Business

What's In It For You

A computer designed for your convenience. From the built-in display tilt to a touchscreen, everything is designed to make the Touchscreen II Personal Computer easier to use. And there are little things, like putting the power switch up front and incorporating a cable cover, that show how well thought-out this computer really is.

But it's more than just comfortable to use. It has the power of an 8088, 16-bit microprocessor, giving you access to over 600 different software solutions. Plus there's an 8087 math co-processor accessory to speed-up scientific and other real number-intensive applications.

For storing data, you can choose from 3½-inch microfloppy disc drives with a capacity of 710K bytes each or Winchester disc drives holding from 10M bytes to 40M bytes. And the whole package—monitor, CPU and disc drive—fits in just over one square foot of desk space.

Save Time—Accomplish More

Get a fast start thanks to the easy operation of the Touchscreen II. PAM, the Personal Applications Manager, organizes your files and software applications into a straightforward, simple format. You don't have to learn confusing MS™-DOS commands to use your computer. And HP Touch gets you into your work in the most direct manner, by pointing.

Other features that provide you with instant productivity are single-key commands called "softkeys." Plus the Touchscreen II lets you use an HP Mouse or Graphics Tablet for your presentation graphics.

Gain Access to Information

Built-in terminal capabilities, plus the availability of over ten different terminal emulation packages make the Touchscreen II ideal for use in an office with Hewlett-Packard, IBM or DEC mainframe and minicomputers.



Or you could use it in a local area network with other HP and IBM personal computers sharing both information and peripherals. Then there's software like Transend COMplete™ that make it a snap to tie-in to information services like The SourceSM and CompuServe™.

The Simple Solutions

With over 600 different software solutions, it's tough to find a problem that the Touchscreen II Personal Computer can't help you with.

Popular titles like Multiplan®, Microsoft® Word, MultiMate™, and WordStar® plus others from companies like BPI, Lotus™, and Microsoft® have been enhanced to take advantage of the Touchscreen II's easy-use features: HP Touch, softkeys and PAM.

To make light work of problems more specific to your trade, The Touchscreen IIs have over 350 different packages available to cover over 20 different industries. From Accounting to Veterinary Medicine, and just about everything in between.

Peripheral Vision

The Touchscreen IIs gain you access to a wide range of peripheral solutions. Some of the industry's top sellers are included here, like the ThinkJet Personal Printer. Fast, quiet and affordable printing for your Touchscreen II Personal Computer. And the LaserJet Professional PC Printer races through eight letter-quality pages of text per minute, with barely a whisper.

If you like to let pictures do the talking, take a look at the Hewlett-Packard color plotters. For high-quality, presentation graphics quickly and easily, you just can't beat Hewlett-Packard plotters.

There When You Need Us

The Touchscreen II comes with some of the best support the industry has to offer. A national response center that's never more than a phone call away. Plus training classes to help you get up to speed in a hurry, and stay current on the latest software and hardware. Talk to your HP sales representative or HP dealer about a customized support plan to meet your individual needs.



Hardware

Just the Facts

Central Processing Unit/ Microprocessor

Intel 8088 16-bit microprocessor running at 8 Megahertz clock rate

Internal Memory

160K bytes of Read Only Memory (ROM)

256K bytes of Random Access Memory (RAM) standard in the main system, expandable to 640K bytes

Expansion Capabilities

Four expansion slots

Terminal Capabilities

HP 2622A Data Entry Terminal features in data processing mode.

Supported by VPLUS/3000 software.

HP 2623A Graphics Terminal features. Supported by HP and third party graphics software.

HP 150 native mode with complete alphanumeric terminal features. Supported by VPLUS/3000 software.

Display enhancements like inverse video, underline, half-bright, blinking, or any combination.

Two pages of screen memory, and block/forms mode.

On-screen Time-of-Day Clock with battery back-up.

Configuration via menus with battery back-up.

Complete backward compatibility (works with all previous versions) for both the HP 2622A and HP 2623A terminals.

Operating System (for Personal Computer configuration only)
MS™-DOS 2.11 (Standard)

Display

12-inch diagonal, green phosphor (P31) cathode ray tube (CRT), 216mm by 153mm

Display size, Alphanumerics: 196.9 mm by 145.3 mm

Graphics: 210.0 mm by 149.9 mm

Screen space: 27 lines by 80 columns, with lines 25 and 26 designated for labeling of function keys and line 27 for system status/error messages

640 × 378 pixel, alphanumeric screen resolution

512 × 390 pixel, bit-mapped graphic display

640 × 400 pixel, alternate graphics resolution (not supported by firmware/terminal mode)

HP Touch accessory (user installable) (35723A)

Character Set: Roman8, line drawing, Math Standard, bold and italics depending on applications. Total of 896 characters

6 × 9 enhanced dot matrix in 8 × 14 dot character cell

Character Size: 1.54 mm by 3.08 mm (50% aspect ratio)

Display enhancements like inverse video, underlining, blinking, half-bright, security, and all combinations

Cursor: blinking underline or blinking square

Built-in display tilt

60Hz refresh rate

Tension band implosion protection

Real-time clock with battery back-up

Keyboard

Detachable, typewriter-style with 8-foot (2.43 m) coiled cable

Full ASCII code

Eight screen-labeled function keys and 12 programmable function keys

One HP-HIL device port

Auto-repeat, N-key rollover, and cursor controls

18-key numeric/graphics pad

Physical Characteristics

27 lbs (12.3 Kg.) system weight, not including keyboard

4.7 lbs (2.14 Kg.) keyboard weight

System unit without disc drives measures 12.8 inches wide by 14.6 inches deep by 13.4 inches high (325mm × 370mm × 342mm)

System footprint (without keyboard) is 1.3 square feet (.12m²)

Keyboard dimensions when flat are 18 inches wide by 8.9 inches deep by 1.2 inches high (456mm × 225mm × 30mm)*

Keyboard dimensions when standing are 18 inches wide by 8.9 inches deep by 2.3 inches high (456mm × 225mm × 58mm)

*Home-row height as per ZH1/618 (German Ergonomic Standard)

Data Communications

Four built-in data channels: 1 HP-IB port, 1 RS-232C/RS-422 port, 1 RS-232C port, 1 HP-HIL port for use by keyboard, additional HP-HIL port on keyboard for use by HP Mouse or Graphics Tablet. One port for user-installable HP Touch accessory.

Data communication rates for the RS-232C ports: 110, 150, 300, 600, 1200, 2400, 4800, 9600, 19200 baud (general asynchronous communications)

Port 1: EIA standard RS-232C and CCITT V.24; hardware and XON/XOFF handshaking available; RS-422 communication capability

Port 2: EIA Standard RS-232C and CCITT V.24; hardware and XON/XOFF handshaking available

Environmental Conditions

Operating +5° to +40°C (+41° to 104°F)

Non-operating -40° to +75°C (-40° to +167°F)

Humidity 5% to 95% (noncondensing)

Hardware (continued)

Input Voltage

115 Volts (+10%, -25%) at 50/60 Hz
(±5%)

230 Volts (+10%, -15%) at 50/60 Hz
(±5%)

Power Consumption

Touchscreen II uses 159 volt amps (300 BTU per hour)

Touchscreen II PC with a 9123D disc drive uses 175 volt amps (338 BTU per hour)

Safety Approvals

U.L. Listed.

CSA, TUV, IEC International 380/435, FI, NEMCO, KEMA KEUR, SEV (pending)

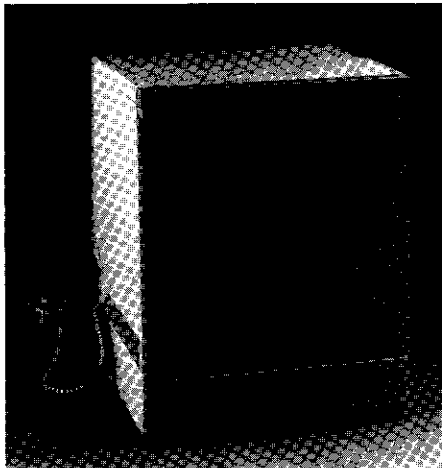
Radio Frequency Interference

FCC Class B

VDE Level B, RPM (Radio Protection Mark) (pending)

Ergonomics

German Standard ZHI/618 (pending)



There's no cable mess with the Touchscreen II

Peripherals (with ordering numbers)

Disc Drives

3½-inch, dual double-sided micro-floppy, 710K bytes formatted capacity each drive (9123D) (exclusive to the Touchscreen II PC due to power requirements)

3½-inch single double-sided micro-floppy with 710K bytes formatted capacity (9122S)*

5¼-inch single, IBM PC format, flexible (9125S)**

10M byte Winchester disc and 3½-inch, double-sided microfloppy with 710K bytes formatted capacity (9153A)

10M byte stand-alone Winchester disc (9154A)*

20M byte Winchester disc and 3½-inch, double-sided microfloppy with 710K bytes formatted capacity (9133H)

20M byte stand-alone Winchester disc (9134H)*

40M byte Winchester disc and 3½-inch, double-sided microfloppy with 710K bytes formatted capacity (9133L)

40M byte stand-alone Winchester disc (9134L)*

16.7M byte (or 67M byte) ¼-inch tape backup subsystem (9144A)*

13M byte (or 52M byte) ¼-inch tape backup system (9142A)*

Printers

ThinkJet Personal Printer with HP-IB interface (2225A), HP-IL interface (2225B), Centronics interface (2225C), or RS-232C interface (2225D)

LaserJet Professional PC Printer with RS-232C interface (2686A)

Daisywheel serial printer (2601A) with RS-232C interface (opt. 242)

Dot-matrix serial printer with RS-232C interface (2932A) or HP-IB interface (opt. 046)

Dot-matrix/letter-quality serial printer with RS-232C interface (2934A) or HP-IB interface (opt. 046)

Dot-matrix serial printer (82906A) with HP-IB interface. Available for 100V (opt. 001), 120V (opt. 002), 220V (opt. 003), or 240V (opt. 004)

Plotters

Graphics two-pen (7470A) with RS-232C interface (opt. 001) or HP-IB interface (opt. 002)

Graphics six-pen (7475A) with RS-232C interface (opt. 001) or HP-IB interface (opt. 002)

Graphics eight-pen (7550A), with both HP-IB and RS-232C interfaces

Input Devices

HP Mouse for use with HP-HIL interface (46060A)

Graphics Tablet (A size) for use with HP-HIL interface (46087A)

Accessory Boards

256K RAM Memory Board (45631A)

384K RAM Memory Board (45632A)

Language board (45635A)

Language board with 256K bytes RAM (45637A)

8087 Co-processor Accessory (45885A) (HP field or dealer installable—does not occupy accessory slot)

1200/300 baud Internal Modem (45640A)

Touchscreen 3278 Emulation with File Transfer (45641B)

Extended I/O Accessory Board (45643A) (for output through the Centronics and HP-IL interfaces)

EtherLink™/150 Accessory Board (45644A)

EtherStart™/150 (45649A) (plug-in module for EtherLink™/150 board)

*Supported only as add-on drive to a system with a dual flexible disc drive or combination Winchester and microfloppy disc drive.

**Provides data compatibility with the IBM PC using 5¼-inch discs.



Trademarks

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