

HEWLETT-PACKARD

Advance Copy



The 35723A HP Touch Accessory

To touch or not to touch — now you have a choice! The 35723A HP Touch Accessory is a 12-inch user installable touch screen bezel. When installed on a supporting Hewlett-Packard computer display, HP Touch transforms your ordinary screen into an interactive touch-screen. It's a state-of-the-art user interface providing an easy and natural way of communicating with your computer.

The Technology

HP Touch utilizes optical technology — a user's finger or stylus interrupts crossing beams of infrared light. Because the optical devices are located within the bezel behind an infrared transparent material, there are no sensitive or moveable parts accessible to the user. There are no holes to collect dust; there are no overlays to scratch or tear. And because the infrared HP Touch Accessory uses solid-state components, it has been engineered to provide years of reliable service.

The Features

Easy to install:

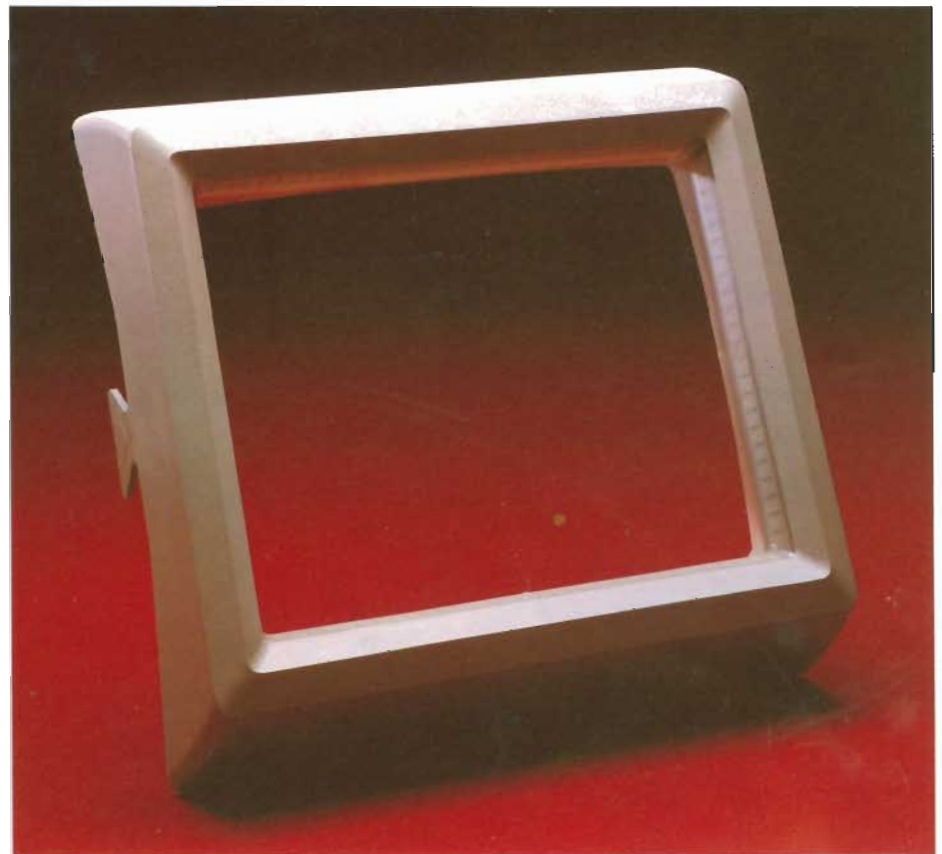
The HP Touch Accessory is purchased as an accessory for use with certain HP displays and computer products which provide the necessary HP-HIL (HP Human Interface Link). The HP Touch bezel completely replaces the bezel on the HP display. You simply remove the bezel of the display, connect a ribbon cable to the display, then snap in the HP Touch Accessory! You now have control of your computer at your fingertip.

Touchpoints:

The HP Touch Accessory features define touch areas of varying sizes and shape offering programming flexibility for a wide range of applications.

Stylus Size:

The minimum stylus size for use with the HP Touch is 10 mm.



Scanning Rate:

With a scan rate of 30 times per second, HP Touch provides quick recognition of the point touched. Use of the touch screen with certain applications can be quicker than the keyboard!

The Benefits

- HP Touch is easy to use. Touch allows you to point naturally with your finger.
- HP Touch is easy to learn. Using your finger is an intuitive way to communicate with your computer.
- Certain HP software has been specially enhanced to take advantage of HP Touch. Many functions which in the past required use of the keyboard can now be done with HP Touch. Commands, cursor movements, and data selection can be accomplished now with a few touches of the screen.

The Applications

From improving user friendliness to improving efficiency, the HP Touch, with the appropriate applications, can help with increasing productivity.

HP Touch is a useful input device in a variety of environments:

- As a menu selection user interface for
 - Office Automation
 - Self-paced educational activities
- As a keyboard replacement for
 - Equipment Control
 - Process Control
 - Instrumentation
 - Public Access
- As an intuitive user interface for
 - Novice users
 - Executive users
 - Games

To find out how HP Touch can improve the productivity of your application, contact your local sales office or dealer for more information.

Specifications

HP Touch Parameters

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|------------------|--|
| Resolution | Array size is selectable to be either: (A) 22 by 29 giving a resolution of 43 by 57 (2451 points); or (B) 18 by 29, resulting in a resolution of 35 by 57 (1995 points). |
| Row Spacing | 7.5 mm (0.295 in) |
| Column Spacing | 7.5 mm (0.295) |
| Stylus Size | 10 mm (0.4 in) diameter minimum circular |
| Screen Scan Area | (A) 158 mm (6.2 in) by 210 mm (8.27 in) or (B) 128 mm (5.0 in) by 210 mm (8.27 in) |
| Screen Scan Rate | up to 30 times per second |

Connections

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| Physical Connection | 10 conductor 2.5mm flat cable, terminated in female plug. |
| Electrical Interface | HP-HIL plus raster size select |

Power Requirements

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|-----------------------------------|---|
| Power derived from HP-HIL, 12V DC | |
| Current Consumption | 200 mA maximum (Current consumption recommended by the HP-HIL specification is 100mA per device. The number of HP-HIL devices that can be connected on the link is reduced by two when this device is connected.) |
| Power Consumption | 2.5 Watts maximum |

Physical Characteristics

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|--------------------|---|
| Overall Dimensions | Height 268mm (10.6 in); Width 296mm (11.7 in); Depth 64.0mm (2.52 in) |
| Mass | 0.5 kg (1.1 lb.) |

Environmental Conditions

| Parameter | Condition | Specification |
|-------------|--------------------------|---|
| Altitude | Operating | Sea level to 4572 meters (15,000 ft) |
| | Nonoperating | Sea level to 15240 meters (50,000 ft) |
| Humidity | Operating | 5 to 95% (non-condensing) |
| Temperature | Operating | 0 to + 55 C (+ 32 to 131 F) |
| | Nonoperating (unmounted) | - 40 to + 70 C (- 40 to + 158 F) |
| Vibration | Nonoperating | Type tested to qualify for normal shipping and handling in original shipping container. |

Product Regulations

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|-----------|--|
| Safety | U.L. Listed Field Installed Accessory for Information Processing and Business Equipment. |
| RFI | Tested at system level to FCC Class B and VDE Level B |
| Acoustics | Less than 4.0 Bels sound per A-weighted |

HP TOUCH ACCESSORY ORDERING INFORMATION

| Product Number — | Description |
|------------------|---|
| 35723A | 12 inch user installable touch screen bezel. Installation instruction manual included. |
| 46020-60001 | HP-HIL cable (Consult literature of the HP system being used to determine if you need this cable. |