

➤ PK46 Touchpanel

The PK46 is the largest non-custom touchpad surface we offer and is ideal for OEM integration into a wide variety of products requiring a high-performance input device. The overlay can be embossed with one or three user-friendly hotlink buttons, which eliminate the need for potentially unreliable mechanical switches. The programmable hotlinks independently execute programs/commands, open files, control browser functions, assign (toggle) mouse actions and control cursor modes (i.e. horizontal snap-to-grid). We also offer custom overlays to match your design requirements.



APPLICATIONS

- Kiosk
- Industrial control panels
- Medical devices
- Instrumentation
- Web terminals

FEATURES

- Large sensing area
- Both PS/2 & USB (10-pin connector) compatibility
- Low power consumption
- Easy product integration due to thin, lightweight design and onboard mechanical buttons
- No maintenance required – Sealable design is immune to moisture, dust and abuse
- Superior navigation and high responsiveness
- Windows®-compatible embedded features mean no additional drivers needed

Using our patented GlidePoint® technology, the touchpad is immune to moisture, allowing it to function properly even with water droplets present on the sensor surface.

Power efficiency of any application is improved with an "idle mode," where the touchpad's current draw is reduced when a finger is not touching its surface.

The touchpad is fully compatible with standard Windows® mouse drivers. No additional driver is required to activate many of its advanced features. Hardware-configurable options on the module allow for taps (function as left-button clicks), corner-taps (function as right-button clicks), vertical scroll (functions as mouse scroll wheel) and more, depending on the specific application.

For custom functionality at the product design stage, we offer software that allows OEMs to enable, disable or personalize advanced settings and/or reprogram the touch sensitive area.

PK46	
Interface	PS/2 (with 10-pin cable connector) USB (with 10-pin cable connector)
Operating Systems	Windows® XP, Vista, & 7
Button Support	One (1) or three (3) virtual hot buttons
Sensor Overlay	Kiosk design with embossed hot buttons Standard - part no. 50-36-00
Physical Parameters	Length: 116.97 mm Width: 68.96 mm Thickness: 5.18 mm with all components Weight: < 32 g (< 1.13 ounces)
Active Sensing Area	77.00 x 53.50 mm
Voltage	5V +/- 10%
Current	PS2: 5.0 mA (active) PS2: 2.8 mA (idle) PS2: 60-200 uA (sleep) PS2: 50 uA (shutdown) USB: 11.1 mA (active) USB: 10.2 mA (idle) USB: 225 uA (suspend)
Operating Temperature	-40 to 85° Celsius
Operating Humidity	5% to 95% relative humidity (condensing)
Storage Temperature	-55 to 150° Celsius
ESD	15kV when properly mounted in bezel
Environmental	EMI tolerant and manufactured RoHS compliant
Available Accessories:	PS/2 cable: 183 cm (6 feet) - part no. 52-15-30 USB cable: 183 cm (6 feet) - part no. 52-21-00 Mounting bracket: part no. PK46-M