

# TSM9920 Touchpad



The TSM9920 is an industry standard-sized touchpad designed to utilize both Serial and PS/2® communication protocols. It is ideal for integration into a wide-range of products for navigation and pointing input. The TSM9920's reliable, proven design combined with its easy-to-use and intuitive operation makes it the ideal choice for many diverse applications. We also offer custom overlays to match your design requirements.

## applications

- Keyboards
- Keypads
- Mouse alternatives
- Industrial control panels
- Medical instruments
- Server rack keyboard
- Point-of-sale devices
- Laptops



## features

- Industry-standard laptop size
- Both PS/2 & Serial (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 TSM9920 is immune to moisture, allowing it to function properly even with water droplets present on the touchpad's sensing 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.

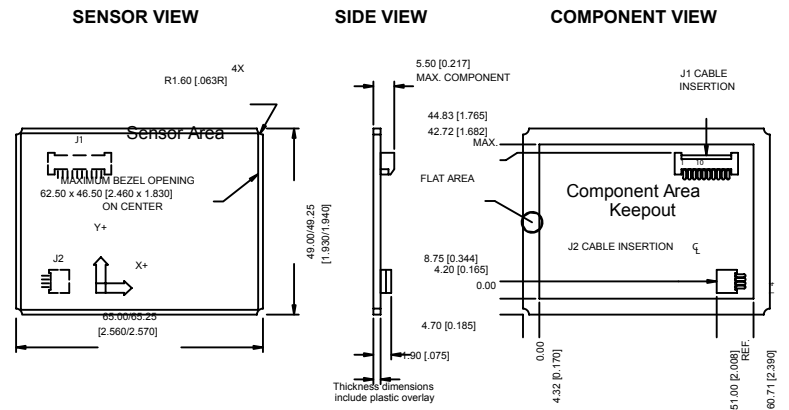
The TSM9920 is fully compatible with standard Windows mouse drivers. No additional driver is required to activate many of its advanced features. Hardware-configurable options on the module allow for taps (function as left-button clicks), corner-taps (function as right-button clicks), vertical scroll (functions as mouse scroll wheel) and more, depending on the specific application. However, for applications requiring greater flexibility, we offer a Windows driver, which allows users to enable and disable advanced features, personalize settings and reprogram buttons.

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.

<b>Interface</b> .....	PS/2 and Serial with 10-pin cable connector
<b>Operating Systems</b> .....	Windows 95, 98, 2000, NT, XP
<b>Button Support</b> .....	Two (2) mechanical buttons
<b>Sensor Overlay</b> .....	Standard - part no. 50-30-00 (additional overlays available)

### Physical Parameters

<b>Length</b> .....	65.00 mm (2.560 inches)
<b>Width</b> .....	49.00 mm (1.930 inches)
<b>Thickness</b> .....	5.50 mm (0.217 inches) with all components
<b>Weight</b> .....	< 14 g (< 0.5 ounces)
<b>Active Sensing Area</b> .....	62.50 x 46.50 mm (2.460 x 1.830 inches)
<b>Voltage</b> .....	5v +/- 10%
<b>Current</b> .....	6.6 mA (active) 2.6 mA (idle)
<b>Operating Temperature</b> .....	0 to 60° Celsius
<b>Operating Humidity</b> .....	5% to 100% relative humidity (condensing)
<b>Storage Temperature</b> .....	-40 to 65° Celsius
<b>ESD</b> .....	15kV when properly mounted in bezel
<b>Environmental</b> .....	EMI tolerant and manufactured RoHS compliant
<b>Available Accessories</b> .....	PS/2 cable: 183 cm (6 feet) - part no. 52-21-00 Mounting bracket - part no. PK20-M



Our knowledgeable and helpful sales team is ready to answer all of your questions. Please call toll-free 1-800-GLIDE-75 or [www.cirque.com](http://www.cirque.com).

## CIRQUE CORPORATION

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