

► TM9957 Touchpad

Our TM9957 is designed for use as an embedded PS/2® input device. Its dimensions are based upon the industry standard for the notebook computer pointing devices, making it ideal for integration into a wide variety of products where space is constrained. We also offer custom overlays to match your design requirements.



APPLICATIONS

- Keyboards
- Keypads
- Mouse alternatives
- Industrial control panels
- Medical instruments
- PC peripherals
- Point-of-sale devices
- Laptops

FEATURES

- Industry-standard notebook computer size
- PS/2 (8-pin FFC connector) compatibility
- Low power consumption
- Easy product integration due to thin, lightweight design
- 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.

TM9957	
Interface	PS/2 with 8-pin FFC connector
Operating Systems	Compatible with standard mouse drivers Cirque Driver available for Windows® XP and Vista
Button Support	Three (3) mechanical buttons
Sensor Overlay	Standard - part no. 50-49-00 (additional overlays available)
Physical Parameters	Length: 64.77 mm Width: 48.77 mm Thickness: 4.70 mm with all components Weight: < 14 g
Active Sensing Area	61.80 x 45.80 mm
Voltage	5V +/- 10%
Current	5.0 mA (active) 2.8 mA (idle) 60-200 uA (sleep) 50 uA (shutdown)
Operating Temperature	-40 to 85° Celsius
Operating Humidity	5% to 95% relative humidity (non-condensing)
Storage Temperature	-55 to 150° Celsius
ESD	15kV when properly mounted in bezel
Environmental	EMI tolerant and manufactured RoHS compliant
Available Accessories:	8-pin FFC cable available upon request Mounting bracket: part no. PK20-M