

► TM9978 Touchpad

The TM9978 is our second-largest touchpad surface after the TM9946. Much larger than a credit card, it is designed to utilize both PS/2® and USB communication protocols. The TM9978'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
- Touch control pads
- Industrial control panels
- Kiosk input devices
- Medical instruments
- Security devices
- Point-of-sale devices
- Gaming devices

FEATURES

- Extra-large sensing area
- Both PS/2 & USB (10-pin 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.

TM9978	
Interface	PS/2 (with 10-pin cable connector) USB (with 10-pin cable connector)
Operating Systems	Windows® XP, Vista, & 7
Button Support	Two (2) mechanical buttons
Sensor Overlay	Standard - part no. 50-59-00
Physical Parameters	Length: 96.88 mm Width: 78.23 mm Thickness: 5.18 mm with all components Weight: < 32 g (< 1.13 ounces)
Active Sensing Area	92.86 x 74.22 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