Human-Machine Interface Solutions

for

Rugged & Industrial Devices

Trusted Advisor

Interlink Electronics is a world leader in the design of patented Force-Sensing Resistor (FSR®) technology. For over 28 years, Interlink Electronics' solutions have focused on handheld user input, menu navigation, cursor control, & other intuitive interface technologies for the world's top electronics manufacturers. Interlink Electronics has a 16-year track record of supplying human machine interface (HMI) solutions for mission-critical and rugged applications.

VersaPad®

VersaPad®, Interlink`s resistive touchpad that uses a unique pressure-sensing technology enabling exceptionally light touch and smooth tracking. Unaffected by moisture and other contaminants, VersaPad® is operable with any glove or passive stylus, and can be environmentally sealed to NEMA 4X/IP65 standards. This compelling combination makes the VersaPad® ideally suited to the harsh environments.

- Requires no additional driver
- Tap for left-click
- Double tap
- Tap and drag
- Drag edge lock
- Border scroll
- Actuator can be a stylus, a finger, or a gloved hand
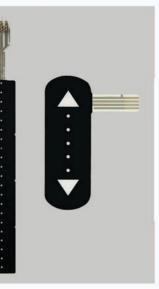- Horizontal scroll (with driver)

FSLP Sensor

The Force Sensing Linear Potentiometer (FSLP) Sensor is Interlink's solution for capturing position and force simultaneously in compact applications.The sensor's tough, moisture resistant surface can also be used with finger, stylus or glove even in harsh environments. FSLP with its rugged design, high resolution, low power consumption and ease of integration is ideal for ruggedized hand held terminals & PDA's, rugged notebooks, tablet PC's and rugged mobile phones.

- Rugged design - Over 1M touch activations over entire sensor area with no degradation observed
- Measures position and pressure simultaneously
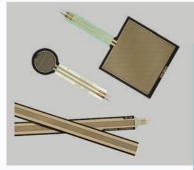- Easy to integrate
- Low power consumption

4-Zone FSR® Mouse Sensor

The 4-Zone Force Sensing Resistor® (FSR®) paired with a suitable actuator can be implemented as a finger-actuated "mouse" pointing module. This pointing module provides accurate 360-degree mouse control. With fully configurable user control, ultra-thin mounting profile and low current use, 4-zone Sensor can be successfully implemented in rugged system components & boards, rugged notebooks and ruggedized hand held terminals.

- Low current use
- Fully configurable user control
- Ultra-thin mounting profile

Human-Machine Interface Solutions
for a Connected World

FSR® 400 Series

- Cost effective,
- Ultra thin & robust
- Simple & easy to integrate

Interlink Electronics FSR® 400 series is the most versatile force sensor technology on the market. FSRs® are robust polymer thick film (PTF) two-wire devices that exhibit a decrease in resistance with increase in the force applied to the surface of the sensor. This force is optimized for use in human touch control of electronic devices in diverse applications such as various rugged and industrial devices, medical systems, electronics, automotive and robotics.

DuraPoint® Industrial Mouse

- Completely sealed
- Totally submersible
- No moving parts
- Easy to use
- Safe & reliable
- Meets toughest NEMA standards

THE TOUGHEST MOUSE IN THE WORLD! Drive a truck over it. Throw it off a building. Or just use it 24/7 in your process control operations or on your manufacturing floor. DuraPoint® dominates.It has no moving parts and is maintenance-free. It's also environmentally sealed, waterproof and impervious to atmospheric contaminants, vibration, sound waves and physical shock. DuraPoint® is available in both stand-alone and console mountable versions.
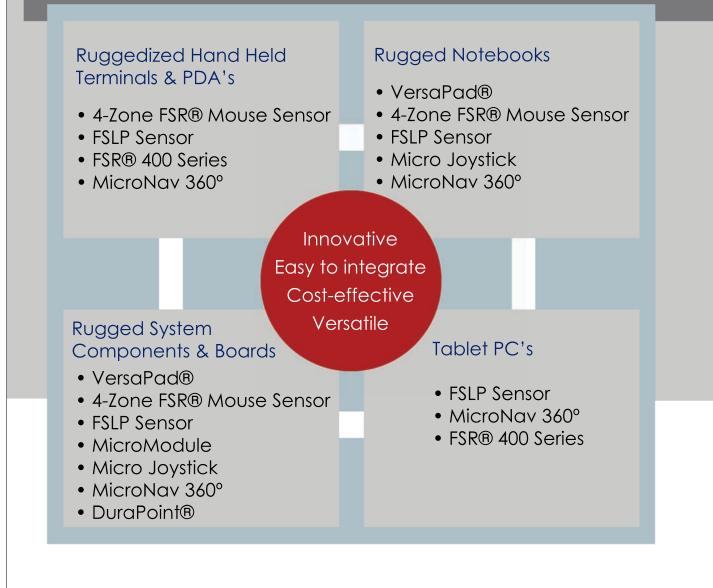
MicroModule

- Compact
- Sealable design
- Easy to integrate
- Ultra-thin mounting profile

The MicroModule is a finger-actuated "mouse" pointing module that provides complete 360-degree directional control and accurate speed control simultaneously. MicroModule is ideal for computer cursor control in rugged mobile computers, hardened keyboards, navigation systems, machine control panels, pan and tilt controllers, motion controllers, CNC controllers. For prolonged exposure to fuels, oils, solvents and aggressive fluids we offer a robust keypad option.

Our Expertise. Your Success

Ruggedized Hand Held Terminals & PDA's

- 4-Zone FSR® Mouse Sensor
- FSLP Sensor
- FSR® 400 Series
- MicroNav 360º

Rugged Notebooks

- VersaPad®
- 4-Zone FSR® Mouse Sensor
- FSLP Sensor
- Micro Joystick
- MicroNav 360º

Innovative
Easy to integrate
Cost-effective
Versatile

Rugged System Components & Boards

- VersaPad®
- 4-Zone FSR® Mouse Sensor
- FSLP Sensor
- MicroModule
- Micro Joystick
- MicroNav 360º
- DuraPoint®

Tablet PC's

- FSLP Sensor
- MicroNav 360º
- FSR® 400 Series

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