

Softionics Inc.



Softionics



Year Established 2023
Website www.softionics.com
Domestic Customers LG, Samsung

Type of Business Manufacturing
Main Export Countries USA, Europe, Japan
International Customers AUDI, Renault, Honda

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Company Description

Softionics builds a new sensing paradigm. Transparent skin that turn environments into intelligent inputs. Beyond sensor hardware, we deliver signal processing, on-device AI, and curated interaction data streams, enabling partners to deploy faster and monetize insights. Our platform powers robotics, vehicles, and next-generation devices with natural, seamless human intent understanding.

Product

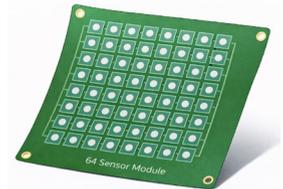
64-Sensor Handwriting & Pinch Gesture Panel

Function and Usage

Softionics' 64-sensor panel detects and tracks hands in mid-air, recognizing handwriting-like strokes, pinch, swipe, and hover gestures without physical contact. It converts capacitive field changes into real-time position and gesture events for intuitive input. Designed to embed seamlessly into any device surface or enclosure, it supports flexible form factors and real-time, on-device intelligence.

Marketing and Selling points

Reliable mid-air tracking enables writing and pinch gestures above the surface, reducing wear and hygiene concerns. 8x8 sensing delivers low-latency, smooth trajectories. Thin, transparent, and form-factor customizable for XR, and vehicle interiors. Noise-robust sensing with calibration and easy integration API.



Touchless Teleoperation Hand-Box (4x 64-Sensor Panels)

Function and Usage

Touchless teleoperation device using four 64-sensor panels mounted on four faces of a box. When a user inserts a hand, the system measures capacitive field changes to track 3D motion and recognize pinch, grasp, and directional gestures in mid-air. It converts trajectories and discrete commands into real-time control signals for robots, drones, or XR interfaces, easily integrating with diverse platforms.

Marketing and Selling points

Multi-face geometry boosts 3D observability for stable, low-latency teleoperation. Camera-free sensing is privacy-friendly, lighting-independent, and tolerant to occlusion. Compact and scalable by adding panels. Built-in calibration and noise filtering improve repeatability in industrial, mobility, and training environments.

