

Ruggedized Keyboards

Typical Applications

- Public interactive kiosks
- Interactive ATM's
- Outdoor use
- Harsh environments

Features and Benefits

- Resistant to impact, sharp objects, liquid spills, butane lighters
- Secured keycaps prevent removal
- Laser etched legends not prone to wear out
- User friendly break over tactile feedback
- Fully strain relieved cabling on keyboard and trackball
- OEM friendly design with pre-drilled mounting holes facilitates rapid integration
- PS/2 compatible

Anti-Vandal 63 Key



Resistant to knives, pens, butane lighters and virtually any other type of abuse where either vandalism or weather is a major concern in design, Esterline Interface Technologies Ruggedized keyboards will survive harsh commercial and public use environments.

Interface Technologies ruggedized keyboards utilize a metal key technology which secures the keys from inside the keyboard providing a solution that can endure the rigors of industrial and public use environments. Highly durable, these 63 key panel mount keytops are constructed with secured metal keytops within a metal bezel. Keytop legends are laser etched into the keytop's surface to create a permanent legend.

Partnered with an Interface Technologies rugged trackball the keyboard becomes the most effective cursor-control device in Kiosk applications. Constructed with the highest density thermoset-phenolic ball, the device will provide unparalleled performance and durability.



These fully rugged keyboards are ideal for mounting in equipment as an integrated keyboarding device. With proper mounting, these keyboards will meet IP65, NEMA12 or NEMA4x specifications.

SPECIFICATIONS

	Keyboard	Trackball
ELECTRICAL		
Current (<i>maximum</i>)	20mA	30mA
Voltage (<i>maximum</i>)	30 VDC	5 VDC
Contact resistance (<i>maximum</i>)	20 ohms @ 5mA	n/a
Contact bounce	5 ms	n/a
Contact rating (<i>maximum</i>)	0.80 watts	n/a
Capacitance (<i>maximum</i>)	10 pF	n/a
Dielectric strength	250 VAC	n/a
Insulation resistance (<i>minimum</i>)	10 Mohms	n/a
MECHANICAL		
Operating force	150 Grams (key)	10 grams (<i>ball</i>) 130 grams (<i>switch</i>)
Switch Travel	1.5 mm	.3 mm (<i>switch</i>)
Bearings	n/a	ABEC 7 stainless steel
Axles	n/a	Centerless ground stainless steel
Ball	n/a	High impact thermoset phenotic
Resolution	n/a	874 reports per revolution
MTBF (<i>minimum</i>)	1x10 ⁵ cycles (<i>switch</i>)	5x10 ⁵ rotations (<i>ball</i>) 3x10 ⁵ cycles (<i>switch</i>)
ENVIRONMENTAL		
Operating Temperature	0°C to +55°C	-20°C to +65°C
Storage Temperature	-40°C to +65°C	-40°C to +70°C
Relative humidity (<i>relative non-condensing</i>)	5%-85%	5%-85%
Waterproof	IP65 / NEMA 12	
VARIOUS		
Bezel dimensions	Shape and alignment are not critical to performance. Different approaches to bezel design will affect the aesthetic appearance of the overall implementation.	
Mounting	The panel-mount keyboard provides pre-drilled mounting holes and a rubber gasket as a standard option. Contact your Esterline Interface Technologies Sales Engineer for suggestions on mounting techniques.	
Warranty	One year limited warranty	



Americas
Headquarters
600 W. Wilbur Avenue
Couer d'Alene, ID 83815
208-765-8000

530 N. Franklin Street
Frankenmuth, MI 48734
989-652-2656

Europe
Hofer Straße 5
D-86720 Nördlingen, Germany
+49 (0) 9081-800-1

Asia
Caoheijing High Tech Park
6th Floor, Block 87
No. 1199 Quin Zhou Bei Road
Shanghai, China