

# Grizzly Xtreme

## Ruggedized Keyboard

### Typical Applications

- Mobile
- Rugged computing
- Security

### Features and Benefits

- 101 key layout
- 10 key numeric keypad
- Low profile – full size keys
- Excellent tactile feel
- Integrated pointing device
- LED backlight with intensity control
- USB compatible
- FCC, UL, CE, and RoHS compliant
- Meets NEMA 4 / IP67
- Waterproof, dust-proof, resistant to most chemicals
- Sealed elastomeric keys
- Powder-coated aluminum housing
- Mounting points for fixed attachments
- Wear-proof legends
- Customizable legends and colors

Demanding applications require a keyboard built to withstand maximum abuse in harsh environments. Esterline Interface Technologies designed the customizable Grizzly Xtreme to reliably operate in harsh situations. The Grizzly Xtreme is completely sealed with backlit elastomer keys that provide low light operation and excellent tactile feel.



The durable Grizzly Xtreme withstands environmental usage hazards typical of mobile, rugged, and industrial applications. Users no longer need to compromise wear or performance to benefit from extreme keyboard protection and full functionality.

Well-suited for gloved applications

and light pressure typing, the Grizzly Xtreme is an elastomer keypad encased in an upper and lower powder-coated die cast aluminum housing. Waterproof, dustproof and chemical resistant, the housing features a gasket-sealed perimeter along with an area on the bottom for a gortex vent. Wear-proof legends on the elastomer are painted and laser etched with "rhino" coating for additional protection.

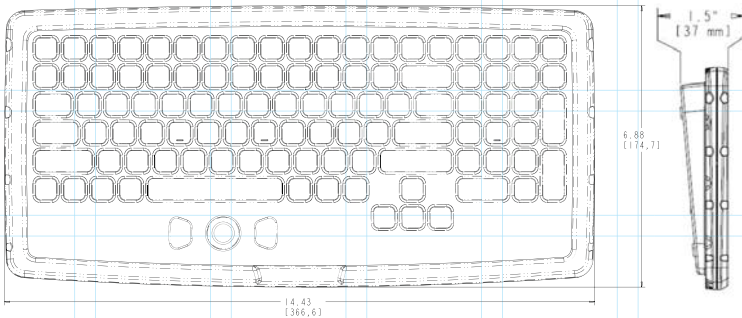
A strong performance advantage comes from the Grizzly Xtreme's ability to operate in low light environments due to LED backlit legends. The single USB cable with sealed strain relief provides a connection to the keyboard buttons, FSR pointing device, and an integrated 10-key numeric keypad. If fixed attachment is preferred, this keyboard contains four VESA mounting points to provide easy system configuration—and to satisfy high vibration applications.



# SPECIFICATIONS

ELECTRICAL	
Current	500 ma (for backlighting)
Voltage	5 V power provided by USB host
MECHANICAL	
Operating force	185 Grams
Switch travel	1.5 mm
Switch life	2 million cycles
Mechanical mounting	VESA MIS-D 100 provided; VESA MIS-D 75 available; M4 x 0.7, 8mm depth
ENVIRONMENTAL	
Operating temperature	-30° to +60° C
Storage temperature	-40° to +80° C
Relative humidity	100% RH
Shock	3 x 10ms pulses at 5G on each of 3 axis
Vibration	2 hours/axis random vibration between 10 and 500 Hz at 5.03 g-rms
Material	Powder-coated cast aluminum housing with silicone rubber keypad
Flammability	Elastomers 94 HB, circuit boards 94 VO, cable 94 VO
Waterproof	NEMA 4 / IP67
ELECTROMAGNETIC COMPATIBILITY (EMC)	
Electrostatic Discharge (ESD) immunity	IEC 801 EN61000-4-2 6KV direct and 8KV air
RF emissions	EN 55022/CISPR 22 class B limits for information technology equipment
RF immunity	IEC 1000-4-3 3V/m from 80 MHz to 2500 MHz
Electrical Fast Transient (EFT) immunity	IEC 1000-4-4 2000V @ 5 KHz
VARIOUS	
Dimensions	14.4" x 6.9" x 1.5" (367mm x 175mm x 37mm)
Weight	3 Lb., 10 oz. (1.66 kg)
Cable length	6 ft (1.83m), type A USB connector
LED backlighting	Green, nominal color x =.455, y=.541 C.I.E. 1931, intensity >2 candela/meter <sup>2</sup>
Warranty	One year limited warranty
CERTIFICATIONS	
Safety	UL 60950-1, CSA, IEC 60950
Other	CE, FCC, B, European Union Directive 2002/95/EC (RoHS)

## KEYBOARD DIMENSIONS



(shown mounted)



Interface Technologies

600 W. Wilbur Avenue  
Coeur d'Alene, ID 83815  
Tel: 208-765-8000  
E-mail: [eit.sales@esterline.com](mailto:eit.sales@esterline.com)  
[www.esterline.com/interfacetechnologies](http://www.esterline.com/interfacetechnologies)