

## Grizzly Xtreme

## Ruggedized Keyboard

## • Mobile

Rugged computing

Typical Applications

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, dustproof, resistant to most chemicals
- Sealed elastomeric keys
  Powder-coated
- aluminum housingMounting 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.



Approved for public release

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