

# Keyboard KBD1102



## KBD1102

The KBD1102 is a rugged keyboard, manufactured from milled aluminum and designed for tactical military environments, where reliability and performance are key. The keyboard is designed for console mounting, suitably equipped with 12 fixation holes and is supplied with a built-in 38 mm trackball pointing device.

### Customizable

Are you looking for features and functions beyond the standard solutions offered by large commercial manufacturers? MilDef products are designed to enable customization to your specific program requirements, e.g. connectors, chassis modifications, mounting solutions, etc. Contact your nearest MilDef Sales Office and we will help you find a solution that meets your requirements.

### Guaranteed performance

All MilDef products come with comprehensive lifecycle sustainment support to ensure your equipment maintains peak performance for many missions to come. We also guarantee the availability of spare parts for 5 years after product end-of-life.

### Key features

- 83 key nordic backlit keyboard
- Integrated trackball
- MIL-STD-810G
- MIL-STD-461F
- IP65

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## Connector Interfaces

(right side) • 1x USB

## Other Interfaces

2x Right/Left click button (front)  
1x Keyboard with backlight (front)  
1x Trackball (front)  
3x Keyboard indicator (front)

## Technical Specification

General functionality	USB HID 83 key keyboard with trackball mouse
Power consumption	2.5 W
Power input	5 VDC
Coating and color	Dupont AE0305-7703820 (RAL7000)
Surface treatment chassis	Chromit-Al
Weight	3 kg (6.7 lbs)
MTBF	TBD h

## Environmental Specification

Functional shock - Operating	MIL-STD-810G, Method 516.6, Procedure I - Functional Shock. Table 516.6-II, Terminal peak sawtooth pulse, Ground equipment 40 g 11 ms
High temperature - Operating	MIL-STD-810G, Method 501.5, Procedure II - Operation 55 °C (131 °F)
High temperature - Storage	MIL-STD-810G, Method 501.5, Procedure I - Storage 71 °C (160 °F)
Humidity	MIL-STD-810G, Method 507.5, Procedure II - Aggravated 95 ± 4 % RH Ten 24 h cycles
IP Class (Solid Particle Protection)	IP Class 6X
IP Class (Water)	IP Class X5
Low air pressure - Rapid decompression	MIL-STD-810G, Method 500.5, Procedure III - Rapid decompression 75.2 kPa, corresponding to 2,438 m (8,000 ft) 17 kPa, corresponding to 12,192 m (40,000 ft)
Low air pressure - Operating	MIL-STD-810G, method 500.5, Procedure II - Operation/Air Carriage 4,572 m (15,000 ft)

Low temperature - Operating	MIL-STD-810G, method 502.5, Procedure II - Operation -40 °C (-40 °F)
Low temperature - Storage	MIL-STD-810G, method 502.5, Procedure I - Storage -40 °C (-40 °F)
Noise level	Maximum noise level of 40 dB SPL A-weighting at 1 m (3.3 ft) distance
Salt fog	MIL-STD-810G Method: 509.5 5 % ± 1 % (by weight) Two cycles, 24 h wet + 24 h dry / cycle
Temperature shock - Operating	MIL-STD 810G, method 503.5 procedures I - C, - Multi-cycle shocks from constant extreme temperature 55 °C (131 °F) -30 °C (-22 °F)
Transit drop, in shipping package	MIL-STD-810G, method 516.6, Procedure IV - Transit Drop. Table 516.6-VI, Transit drop test, < 45.4 kg (100 lbs), < 91 cm (36 inch), Manpacked or man-portable

## EMC Specification

EMI radiated RE102	MIL-STD-461F Navy Mobile & Army 2 MHz - 18 GHz
ESD	EN61000-4-2:2009 Level 3 EN55024:1998 Performance criteria B + A1:2001 + A2:2003