

Keyboard KBD1101



Dual source Keyboard

The KBD1101 is a military-rugged milled aluminum keyboard, designed for tactical military environments where reliability and performance are key. It comes with two USB interfaces to support up to two computer sources and buttons on the front to switch between source 1 and source 2, optimizing SWaP and mission management for the operator.

The keyboard is designed for vehicle use is equipped with 6 mounting holes for mounting the keyboard to a surface and a sealed built-in 38 mm trackball pointing device. The trackball comes with left and right click buttons made of stainless steel.

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 keyboard
- Dual USB sources
- Integrated trackball
- MIL-STD-810G & MIL-STD-461F
- IP65

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Connector Interfaces

X1 (left side) • 2x USB2.0

Other Interfaces

2x Right/Left click button (front)

2x Input select button (front)

1x Keyboard (front)

1x Trackball (front)

3x Keyboard indicator (front)

Technical Specification

General functionality	USB HID 83 key nordic keyboard with trackball mouse
Source switching	Switching between two sources
Power consumption	2.5W
Power input	5 VDC
Coating and color	Dupont (RAL1013)
Dimensions	380x53x146 mm (WxHxD)
Earth point	M6 12mm
Mounting	6x M4, depth 8 mm
Surface treatment chassis	Chromit-Al
Weight	2 kg (4.5 lbs)
MTBF	Greater than 25000 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 40g 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-hour 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
75.2kPa, corresponding to 2438m (8.000 ft)
17kPa, corresponding to 12192m (40.000 ft)

Low air pressure - Operating

MIL-STD-810G, method 500.5, Procedure II - Operation/Air Carriage
4572m (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 40dB SPL A-weighting at 1m (3.3 ft) distance

Salt fog

MIL-STD-810G Method: 509.5
5% +/- 1% (by weight)
Two cycles, 24h wet + 24h 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)

EMC Specification

EMI radiated RE102

MIL-STD-461F
Navy Mobile & Army
2MHz - 18GHz

ESD

EN61000-4-2:2009 Level 3
EN50024:1998 Performance criteria B + A1:2001 + A2:2003