Keyboard KBD1105

Dual source Keyboard

The KBD1100 Series 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.

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 (top)	• 2x USB2.0

Other Interfaces

2x Input select button (front)

1x Keyboard with backlight (front)

3x Keyboard indicator (front)

1x Ergonomic trackball mouse (front)

Technical Specification

General functionality	USB HID 83 key keyboard with trackball mouse
MilDef HID keyboard and mouse USB	USB HID keyboard and mouse device
Source switching	Switching between two sources
Electronics ground to chassis	Isolated
Power consumption	1 W
Power input	5 VDC
Power to chassis	Isolated
Power to electronics ground	Non-isolated
Chassis material	Aluminum
Coating and color	Dupont AE0305-1101320 (RAL 1013)
Earth point	M6 12 mm
Surface treatment chassis	Chromit-Al
Weight	2.6 kg (5.8 lbs)
MTBF	> 32,000 h
CE	Compliant

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)

EMC Specification

EMI radiated RE102	MIL-STD-461F, Method RE102, Radiated emissions, electric field Navy Mobile & Army 2 MHz - 18 GHz