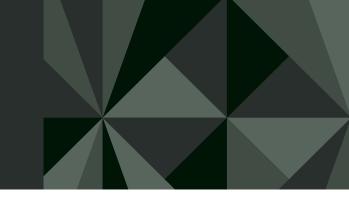
# **KBD1107**





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



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Conne	-4-"	
	64 f 6 1 fm	

X1 (top) 2x USB2.0

Other Interfaces

2x Input select button (front)

1x Keyboard (front)

3x Keyboard indicator (front)

1x Ergonomic trackball mouse (front)

**Technical Specification** 

General functionality USB HID 83 key keyboard with

trackball mouse

**Keyboard layout** US keyboard layout

MilDef HID keyboard and mouse USB

USB HID keyboard and mouse

device

Source switching Switching between two sources

Electronics ground to Isolated

chassis

**Power consumption** 1 W

5 VDC Power input

Power to chassis Isolated

Power to electronics ground Non-isolated

**Chassis material** Aluminum

Coating and color AE0305-4900520 Axalta (RAL

9005)

M6 12 mm Earth point

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 X5

IP Class (Water)

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

**ESD** 

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

EN61000-4-2:2009 Level 3 EN55024:1998 Performance

criteria B + A1:2001 + A2:2003

