

Dual Hand Controller - Concept 3156



MilDef offers our customers complete realization of any product idea or concept within rugged electronics. Based on our long experience of designing and customizing products, our engineering team is ready to attack any technical problem thrown at them. A MilDef concept enables the possible implementation of customer specific requirements. Realization may involve NRE cost. This featured product is currently at a concept stage, contact us to further discuss your requirements.

Dual Hand Controller

The Dual Hand Controller continues to build on the RC Controller series from MilDef. Keeping true to the MilDef brand, the Dual Hand Controller puts emphasis on low weight, ergonomics and a rugged design. With the Dual Hand Controller you will never lose control!

Military-relevant rugged design

MilDef products are designed to operate in extreme environmental conditions and challenging electromagnetic operational scenarios. Operationally proven, MilDef products are actively employed in military operations in over 60 countries.

Customizable

Are you looking for additional features and functions? MilDef specializes in customized solutions, to include change of connectors, chassis modifications, mounting solutions, etc. Contact your nearest MilDef Sales Office and we will help you tailor a solution to meet your exact requirements.

Guaranteed performance

MilDef products are designed for the long lifecycles of military programs and come with a lifetime support program to ensure your equipment maintains peak performance for many missions to come.

We also guarantee the availability of spare parts for an additional 5 years after product end-of-life.

Features

- USB HID Joystick
- 5 VDC

Options

- Choose from APEM joysticks and thumbwheels
- Custom keypad design for any given application

Dual Hand Controller - Concept 3156

Connector Interfaces

- (top) • 1x USB 2.0

Other Interfaces

14x Keypad buttons with backlight (front)

2x Trigger buttons with backlight (top)

2x Joystick (front)

2x Thumb wheel (back)

Technical Specification

USB HID	USB HID Joystick
Power consumption	2.5 W
Power input	5 VDC
Dimensions	172 x 165 x 52 mm (6.8 x 6.5 x 2 in) (WxHxD)
Enclosure material	Polyamide or similar
Weight	< 1000 g (2.2 lbs)
CE	Compliant

Environmental Specification

High temperature - Operating	MIL-STD-810G, method 501.5, Procedure II - Operation 60 °C (140 °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 - 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 -20 °C (-4 °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
Transit drop	MIL-STD-810G, method 516.6, Procedure IV - Transit Drop. Table 516.6-VI, Transit drop test, < 45.4 kg, < 91 cm, Manpacked or man- portable

Vibration - Helicopter

MIL-STD-810G. Method 514.6,
Procedure I - General vibration,
Category 14 - Rotary wing aircraft -
helicopter

Vibration - Loose Cargo

MIL-STD-810G. Method 514.6,
Procedure II - Loose cargo
transportation, Category 5 - Truck/
trailer - loose cargo

Vibration - Tracked Vehicles

MIL-STD-810G. Method: 514.6 ,
Procedure 1 - General Vibration,
Category 20 - Ground vehicles -
ground mobile, tracked vehicles

EMC Specification

EMI radiated RE102	MIL-STD-461F Navy Mobile & Army 2 MHz - 18 GHz
--------------------	--