

19"/2 KVM Switch KSW1122



KVM Switch in a 19inch2 form factor

The KSW1122 is a KVM switch for DVI and USB input in a fully rugged enclosure. It allows up to 4 computers to share the use of a single DVI and 2x USB for keyboard and mouse. The peripheral focus will be given to a computer manually by using pushbuttons on the switch, or by connection to an external switch.

Mounting

The 19"/2 standard enables flexible mounting with customized brackets. The unit can be mounted in a 19" rack, half racks, directly to a surface and in any angle.

Built to take a beating

The switch is built to withstand the harshest conditions over the long haul. It features aluminium casing, industrial connectors for easy integration and will operate down to -40 C.

Guaranteed performance

Our products always come with a lifetime support to ensure your equipment maintains peak performance for many missions to come. We also serve units and stock spare parts for 5 years end-of-life.

Features

- 10-32 VDC
- Passively cooled

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Connector Interfaces

DVI (front)	• 1x DVI-D
C1,C2,C3,C4 (back)	4 connectors which each has: <ul style="list-style-type: none"> • 1x DVI-D
DC IN (front)	• 1x Power
SERVICE (front)	• 1x RS232 Service
REMOTE (front)	• 1x Remote
USB1/2 (front)	• 2x USB 2.0
C1,C2,C3,C4 (back)	4 connectors which each has: <ul style="list-style-type: none"> • 1x USB 2.0

Other Interfaces

1x Status indicator (front)
4x System Button (front)

Technical Specification

Blanking	Double-pressing the System button C1 and C2 at the same time To enable/disable all externally visible indicators from emitting light
Graphics resolution	Max 1920 x 1200 on DVI.
MIL-STD-1275D	5.3.2.1 5.3.2.2 5.3.2.3 5.3.2.4
Polarity protection	Protected against polarization failure on the power input in the voltage range of normal operation.
Power consumption	15W
Power input	10-32 VDC
Coating and color	Dupont AE0305-6603120 (RAL6031)
Cooling	Passively cooled
Dimensions Width and Height	220x44mm (8,66x1,74 inch) (WxH)
Earth point	M6 12mm
Surface treatment chassis	Chromit-Al
Weight	2 kg (4.5 lbs)
MTBF	Greater than 330 000 h +25C, Ground Benign

Environmental Specification (*designed to meet)

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
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High temperature - Operating*	MIL-STD-810G, method 501.5, Procedure II - Operation 71 °C (160 °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 2,438m (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 28dB SPL A-weighting @ 1m 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) - 40 °C (-40 °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
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,

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Category 20 - Ground vehicles -
ground mobile, tracked vehicles

Vibration - Wheeled Vehicle* MIL-STD-810G, Method: 514.6 ,
Procedure 1 - General Vibration,
Category 20 - Ground vehicles -
ground mobile, wheeled vehicles

EMC Specification (*designed to meet)

CE EMC* EMC Directive 2014/30/EU.

CE EMI* EN61000-6-3:2007

CE EMS* EN55032:2015

EMI conducted CE102* MIL-STD-461F, Method CE102
BASIC CURVE
10kHz to 10MHz

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

EMS conducted CS101* MIL-STD-461F, Method CS101,
conducted suceptibility, power leads
CURVE #1
30Hz to 150kHz

EMS conducted CS114* MIL-STD-461F
10kHz - 200MHz
Army, Ground

EMS conducted CS115* MIL-STD-461F

EMS conducted CS116* MIL-STD-461F
10 kHz to 100 MHz

EMS radiated RS103* MIL-STD-461F
2MHz to 1GHz
Army

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