19”/6 MC702

Gigabit media converter

The MC702 is a gigabit Ethernet media converter in a compact and rugged design. It is designed to withstand the most extreme environments over the long haul. The MC702 can be powered by dual USB ports (minimum 800mA together) or by 10-32V for increased versatility.

Mounting

The 19"/6 standard enables flexible mounting with customized brackets. The unit can be mounted in a 19" rack, half racks, or directly to a surface and in any angle.

Customizable

Are you looking for features and functions beyond the standard solution? 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 requirements.

Guaranteed performance

Our products 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 5 years after product end-of-life.

Features

- Gigabit Ethernet
- USB powered
- Stackable
- Rack mouting

19”/6 Mediaconverter MC702

Technical Specification	
Description	Converts between Ethernet copper and fiber
Ethernet	1 x ETH 1000Base-T (RJ45)* 1 x ETH 1000Base-LX/LH (LC)
Power	1 x DC In 5V (Binder) 1 x DC In 10-32V DC (ITS)
Led	Status LED and RJ45 LED.
Power Consumption	< 4W
Dimensions	73x154x44 mm (W x D x H)
Weight	0.7 kg
Certification	Designed to meet IP54, MIL-STD-810F and MIL-STD-461F
Other	No Fans

* can be configured to 10/100/1000 Mbps

Picture (back)

MIL-STD-810F	Operating	Storage
Altitude Method 500.4, *(procedure II,III)*	4572 m (15000 ft)	Rapid decompression 12192 m (40000 ft)
Humidity Method 507.4, (procedure I)	Five 48 h test cycles	-
Shock Method 516.5, (procedure I, IV)	40 G, 11 ms (Terminal-peak saw tooth shock pulse)	122 cm (26 drops), only with optional Peli Case.
Salt fog Method 509.4, (Procedure I)	-	Salt concentration of 5 % +- 1 % (48 h wet + 48 h dry /cycle)
Temperature Method 501.4 & Method 502.4, (procedure I, II)	-40° C to +55° C (-40° F to +131° F)	-40° C to +70° C (-40° F to +158° F)
Temperature shock Method 503.4 (procedure I)	-40° C ~ +55° C (-40° F ~ +131° F)	-
Vibration Method 514.5 (procedure I)	Category 14 – Helicopter, Broadband background Category 20 (a and b) – Ground Vehicles, Wheeled vehicles and Track-laying vehicles	Category 2 - Shipping & Handling

MIL-STD-461F	Limitation	Threshold
EMI radiated Method RE102	2 MHz to 18 GHz	Navy Mobile & Army
EMI radiated Method RS103	2 MHz to 1 GHz	Army
EMI conducted Method CE102	10 kHz to 10 Mhz	Basic Curve
EMI conducted Method CS101	30Hz to 150 kHz	Curve #1
EMI conducted Method CS114	10 kHz to 200 MHz	Army
EMI conducted Method CS115	Tested according to standard	Army
EMI conducted Method CS116	10 kHz to 100 MHz	Army

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