

# 19"/2® UIDM Router SRM102



The 19"/2® UIDM® Router SRM102 is a rugged version of the Elbit Systems UIDM® v2 router. It's a two-channel tactical router designed for ground and air systems with an Ethernet interface. When coupled with a radio, the UIDM® v2 sends interoperable digital data information to a variety of military assets such as vehicles and aircrafts. The router also enables the sharing of accurate and timely information and serves as a radio simulator in a training environment.

## Mounting

All 19"/2 units can be mounted together in several different ways:

- One 19"/2 unit can be mounted in a 19" rack
- Two 19"/2 units can be mounted together in a 19" rack
- Two or more devices can also be stacked on top of each other

# 19"/2® UIDM Router SRM102

## Technical Specification

Description	19"/2 version of Elbit Systems UIDM V2 is a two-channel stand alone tactical router designed for ground and air systems with an Ethernet interface in a rugged format. When connected to a radio it sends interoperable digital data to a variety of military assets.
Interfaces (front)	1 x LAN (10mbit MightyMouse) 1 x CH1 (D38999) 1 x CH2 (D38999) 1 x DC in, 10-32 V
Power consumption	< 30W (max)
Transient power protection	Surge & burst on DC in
Case	Aluminium
Dimensions	220 x 182 x 44 mm (W x D x H)
Weight	≤ 2 kg
Certifications	Designed to meet IP54, MIL-STD-810 and MIL-STD-461
Other	No fans

## Designed to meet:

MIL-STD-810F	Operating	Storage
Altitude Method 500.4, ( <i>procedure II, III</i> )	4572 m (15000 ft)	Rapid decompression 12180 m (40000 ft)
Humidity Method 507.4	Five 48 h test cycles	-
Shock Method 516.5, ( <i>procedure I, IV</i> )	40 G, 11 ms (Terminal-peak saw tooth shock pulse)	122 cm (26 drops)*
Salt fog Method 509.4, ( <i>Procedure I</i> )	-	Salt concentration of 5% +-1% (48h wet +48h dry/cycle)
Temperature Method 501.4 & Method 502.4, ( <i>procedure I, II</i> )	-20 °C to 55 °C (-4 °F to 131 °F)	-40 °C to 70 °C (-40 °F to 158 °F)
Temperature shock Method 503.4 ( <i>procedure I</i> )	-20 °C to +55 °C (-4 °F to +131 °F)	-
Vibration Method 514.5		
- <i>Category 2</i>	-	✓
- <i>Category 14</i>	✓	-
- <i>Category 20 a &amp; b</i>	✓	-

\* Only with optional Peli Case

## Designed to meet:

MIL-STD-461F	Limitation	Threshold
EMI radiated Method RE102	10 kHz 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	Amry