

**Regulatory Approvals**

- FCC Class A
- UL 1950
- CSA C22.2 No. 950
- EN60950
- CE
- EN55022 Class B
- EN50082-1

**Canadian EMI Notice**

This Class A digital apparatus meets all the requirements of the Canadian Interference-Causing Equipment Regulations.  
Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

**European Notice**

Products with the CE Marking comply with both the EMC Directive (89/336/EEC)

and the Low Voltage Directive (73/23/EEC) issued by the commission of the European Community. Compliance with these directives implies conformity to the following European Norms:

- EN55022 (CISPR 22) - Radio Frequency Interference
- EN50082-1 (IEC801-2, IEC801-3, IEC801-4) - Electromagnetic Immunity
- EN60950 (IEC950) - Product Safety

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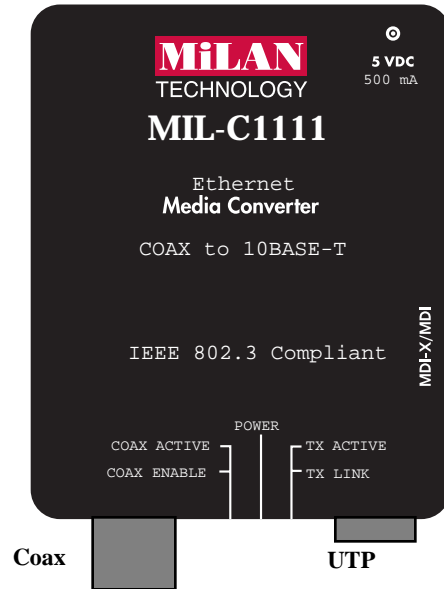
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# MIL-C1111

## Coax to Base-T (UTP)

### Media Converter

### Installation Guide

**Installation**

Follow the steps given below to install the MIL-C1111:

1. Attach a UTP cable from network to MIL-C1111's RJ-45 port.
2. Attach a T-type BNC connector from network cabling to the BNC connector.
3. Plug the power adapter into an AC outlet and connect the power adapter cord to the unit.

**EMI Note:** Use shielded UTP (CAT 5) cabling for CISPR 22 classB.

**Configuration-Termination Switch**

Next to the coax cable connector, there are DIP switches that control the 50 Ohm internal resistor. Both switches are shipped in the "up" position (default, no termination).

**Configuration Options**

1. If the MIL-C1111 is connected to the end of a multinode segment without a T-connector and terminator, enable 50 Ohm resistor by
  - Setting switch 1 "up"
  - Setting switch 2 "down".
2. If the MIL-C1111 is connected to a single-nod without a T-type connector and terminator on a coax cable of less than one meter's length:
  - Set both switches in the "down" position.

**Note:** For this configuration, you do not need a 50 Ohm terminator on the coax segment of the MIL-C1111's BNC connector.

**LEDs**

- **TP ACT:** Amber, indicates a packet activity on the 10BASE-T network.
- **COAX ACT:** Amber, indicates a packet activity on the 10BASE2 network.
- **TP LINK:** Green, there is a good link on the 10BASE-T network.
- **COAX ENAB:** Green, coax connection is established.

**Cabling Options: MDI-X/MDI Switch**

The MDI-X/MDI switch is located on the side of the unit. This switch enables a quick configuration of the 10BASE-T port.

**Cables used when the switch is in the MDI-X position:**

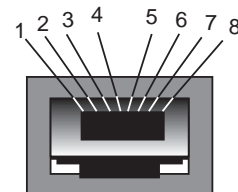
- For a hub or repeater, use a swap cable (pins are connected 1 to 3, 2 to 6, 3 to 1, 6 to 2).
- For a workstation or PC, use a straight-through cable (pins are connected 1 to 1, 2 to 2, 3 to 3, 6 to 6).

**Cables used when the switch is in the MDI position:**

- For a hub or repeater, use a straight-through cable (pins are connected 1 to 1, 2 to 2, 3 to 3, 6 to 6).
- For a workstation or PC, use a swap cable (pins are connected 1 to 3, 2 to 6, 3 to 1, 6 to 2).

**RJ-45 Specifications****MDI-X**

Pin 1=RX+  
Pin 2=RX-  
Pin 3=TX+  
Pin 6=TX-

**MDI**

Pin 1=TX+  
Pin 2=TX-  
Pin 3=RX+  
Pin 6=RX-

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