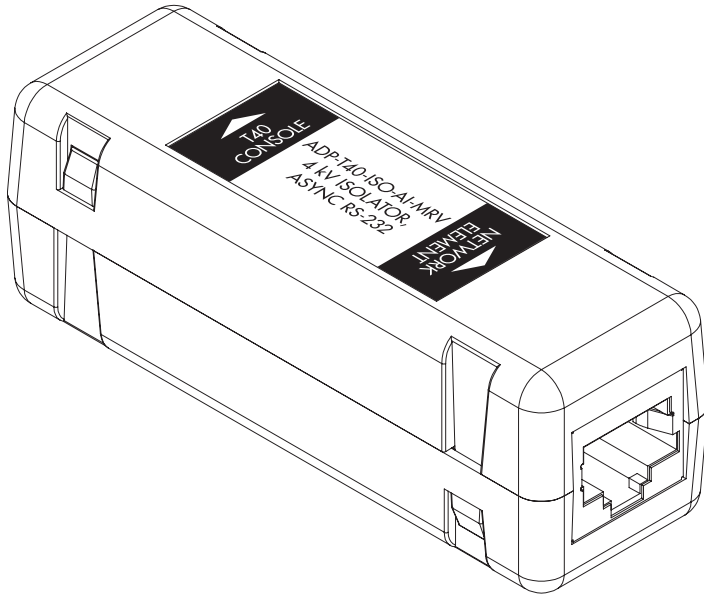


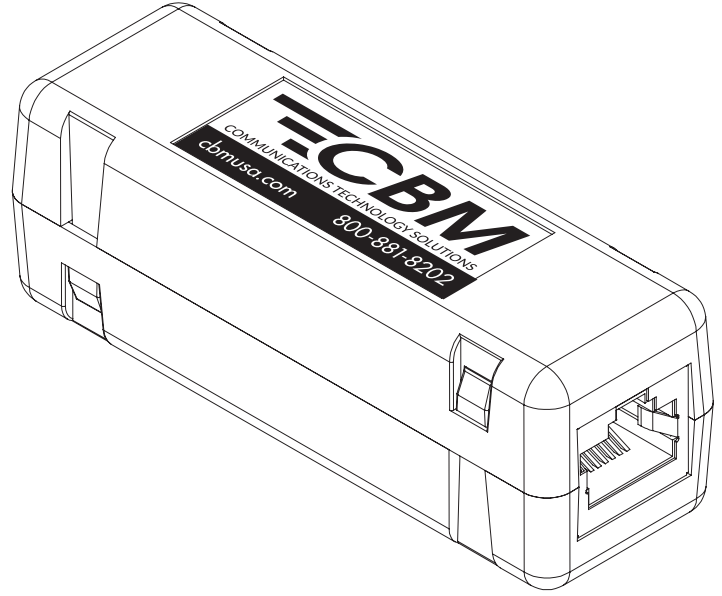
CBM ADP-T40-ISO-AI-MRV

Line-powered optical isolation of asynchronous RS-232 circuits, designed for T40-series console ports

TOP VIEW:

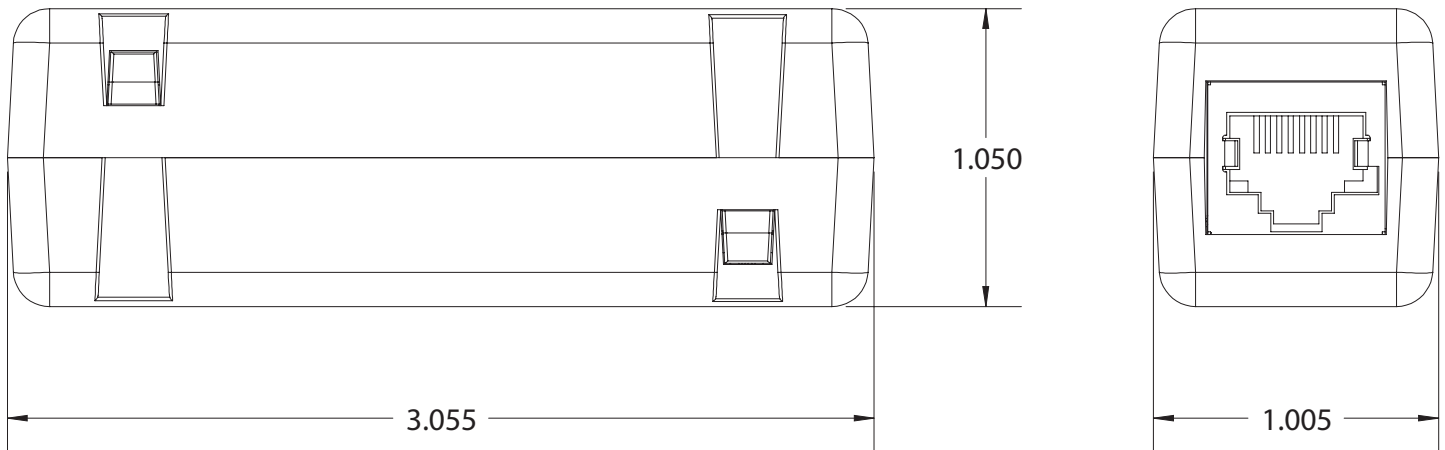


BOTTOM VIEW:



CBM of America's ADP-T40-ISO-AI-MRV provides optical isolation of single asynchronous RS-232 circuits at speeds of up to 9600 baud and voltage differences between ends of up to 4 kV. They are designed to connect in-line with RJ45-terminated cables between the console port of T40A, T40EM, or T40L terminal servers and a network element equipped with appropriate patch panel or adapter. These isolators are line-powered and do not require a fuse assignment or additional power beyond that derived from the serial port itself.

Mechanical Layout and Dimensions



Physical Layer

For T40 installations with pre-existing console cables, remove the cable from the console port of the T40 and plug this into the end of the isolator marked “Network Element”. This cable should have pinout equivalent to CBM’s CBLG2255. Connect the other end of the isolator to the T40 console port using a straight-pinned UTP or STP cable.

Use with DB-25 Patch Panels

For installations in which the network element is connected to a patch panel presenting DB-25 ports, use CBM’s ADP2266 adapter at the patch panel, connected to the “Network Element” end of the isolator with a CBLG2255-equivalent cable; use a straight-pinned cable between the isolator and the T40 console port.

Pinout Table for ADP-T40-ISO-AI-MRV

Please refer to the following table for a detailed pinout of the ADP-T40-ISO-AI-MRV. Grounds on either end of the device are isolated from each other. On the network element end of the isolator pins 2 and 8 are connected together as are pins 4 and 6.

Pin (NE End)	Signal Name (Relative to NE)	Direction	Signal Name (Relative to T40)	Pin (T40 End)
1	NC		NC	1
2	NC	⌋	NC	2
8	NC	⌋	NC	8
3	TXD	→	RXD	3
4	NC	⌋	NC	4
6	NC	⌋	NC	6
5	RXD	←	TXD	5
7	GND (NE)		GND (T40)	7