



Mini transceivers

MT-T	RS stock no. 240-0339
MT-C	RS stock no. 240-0351
MT-F	RS stock no. 240-0367

The **RS** Mini-Transceivers offers cost effective connectivity for twisted pair (RJ-45), ThinNet (BNC) and fibre network media from any workstation or device configured with an ethernet AUI port. Their compact size permits installation even in tight spaces.

Features

- Complies with IEEE 802.3 standard and is compatible with Ethernet Version 1.0 and 2.0
- Provides full set of LED indicators for status and local network traffic information
- Supports twisted pair, ThinNet, and fibre network cabling requirements
- Compact, rugged metal case.



Installation Instructions

1. Push the transceiver into the AUI (15 pin D type) connector.
2. Slide the latch on the connector to hold the transceiver firmly in place.
3. Verify that the POWER ON LED is lit.
4. Model MT-T: Connect the twisted pair cable to the RJ 45 connector. The link LED should turn on.

Model MT-C: Connect the thin net cable to the BNC connector.

Model MT-F: Connect the fibre cables to the Tx and Rx connectors. Now the LINK LED should turn ON.

10602

Technical Specification

1. Performance:

Data Rate: _____ 10 Mbits / second

2. Network standards:

Ethernet V1.0/V2.0, IEEE 802.3: _____ 10BASE -T, 10BASE2, 10BASE5,
DTE, FOIRL, 10BASE-FL.

3. Maximum standard Ethernet Lengths:

DTE (AUI drop cable): _____ 50m

10BASE-T (twisted pair): _____ 100m

Shielded twisted pair: _____ 150m

10BASE2 ThinNet: _____ 185m

10BASE5 ThickNet: _____ 500m

FOIRL mm Fibre Optic: _____ 1.0Km

10BASE-FL mm Fibre Optic: _____ 2.0Km

Single-mode Fibre Optic: _____ 10.0Km

4. Connectors:

AUI (all models): _____ D-Sub 15 male, connector with locking posts

RJ-45 twisted pair Port (MT-T): _____ Eight-pin female, shielded

BNC Port (MT-C): _____ Standard BNC female, RG-58 ThinNet

Fibre Port (MT-F): _____ Std multi-mode, ST-type

Note: Shielded 10BASE-T connectors accept either unshielded or shielded wiring plugs for standard twisted pair media wiring.

5. LED Indicators

LED	MT-T	MT-C	MT-F	Description
Link	X	-	X	Steady on shows the connection is made at both ends and segment is ready
RX	X	-	X	Indicates attached host is receiving data from cable
COL	-	-	X	Indicates transceiver is simultaneously transmitting and receiving from the cable
POL	-	-	-	Indicates transceiver has detected a receive data wire-pair signal inversion
TX	X	-	X	Indicates attached host is transmitting data over the cable
PWR	X	X	X	Indicates transceiver is receiving DC power
SQE	-	X	X	Indicates SQE is enabled
JAB	-	-	X	Indicates a Jabber condition (illegal packet length fault)

6. Operating Environment:

Ambient Temperature: _____ 32° to 120°F (0° to 50°C)

Storage: -20°C to 60°C

Ambient Relative Humidity: _____ 10%-95% (non-condensing)

7. Packaging:

Mounts on AUI connector with slide-lock, designed for thin "Sun-size" slots

Enclosure: _____ High-strength sheet metal

Dimensions:

MT-T _____ 1.65in H x 2.9in W x 0.75 in D (4.2 cm x 6.0 cm x 1.9 cm)

MT-C _____ 1.65in H x 2.9 in W x 0.75 in D (4.2 cm x 7.4 cm x 1.9 cm)

MT-F _____ 1.75in H x 3.0in W x 0.75 in D (4.5cm x 7.6 cm x 1.9 cm)

Weight:

MT-C _____ 2.8oz (81g)

MT-F _____ 2.5oz (79g)

MT-T _____ 2.3oz (67g)

Cooling Method: _____ Convection

8. Approvals:

UL listed (UL1950), CSA certified

Emissions: _____ Meets FCC part 15 class A, VDE class B, CE

The information provided in **RS** technical literature is believed to be accurate and reliable; however, RS Components assumes no responsibility for inaccuracies or omissions, or for the use of this information, and all use of such information shall be entirely at the user's own risk.

No responsibility is assumed by RS Components for any infringements of patents or other rights of third parties which may result from its use.

Specifications shown in RS Components technical literature are subject to change without notice.

RS Components, PO Box 99, Corby, Northants, NN17 9RS Telephone: 01536 201234



An Electrocomponents Company

© RS Components 1997