

Stand-alone Ethernet Transceiver

10Base-5 AUI to 10Base-T RJ-45

Media Converters



The E-TBT-MC05 is an Attachment Unit Interface (AUI) transceiver that provides a method for connecting a workstation, or any other device with an AUI port, to twisted pair cabling in a 10Base-T network. Devices with AUI ports could include: servers, hubs, bridges and routers. The E-TBT-MC05 transceiver allows twisted pair, UTP or STP, to be connected to these AUI ports.

Ordering Information

E-TBT-MC05
 10Base-5 (AUI) dB-15 male [50 m/164 ft.]
 to 10Base-T (RJ-45) [100 m/328 ft.]

Features

- Provides a complete interface of the AUI to Ethernet UTP cable
- Supports data transfer rate of 10 Mbps
- CSMA/CD access mechanism
- Capable of driving the UTP cable segment up to 100 m (328 ft.) without the use of a repeater
- Selectable Link test and SQE test functions
- AUI locking post design allows the E-TBT-MC05 to directly attach to a host's AUI connector
- Can be used with or without an AUI cable
- LED indicators for network monitoring and diagnosing
- The RJ-45 port will automatically detect and reverse the polarity on the receive pair, if needed

Specifications

Standards	IEEE 802.3 10Base-T
Switches	SW1: SQE Test: UP is enabled SW2: Link Test: UP is enabled SW3: Half or Full-Duplex: UP is for Half, Down is for Full
Status LEDs	COL: Blinks when detecting collisions STAT: Solid Green: UTP Link established; Blinks Green: No UTP Link; 4-Blink Pattern: Polarity reversal detected on UTP cable TX: Blinks when transmitting data on the RJ-45 RX: Blinks when receiving data on the RJ-45
Dimensions	Width: 3.1" [79 mm] Depth: 0.8" [20 mm] Height: 1.7" [43 mm]
Power Consumption	Not to exceed 75mA@12 VDC
Power Supply	No external power required
Input Voltage	10.2 to 15.75 VDC
Input Current	250mA@12 VDC
Environment	Operating: 0°C to 50°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	1 lb. [0.45 kg]
MTBF	125,126 hours (Bellcore)
Certifications	FCC & CISPR Class A, CE Mark
Warranty	Lifetime