



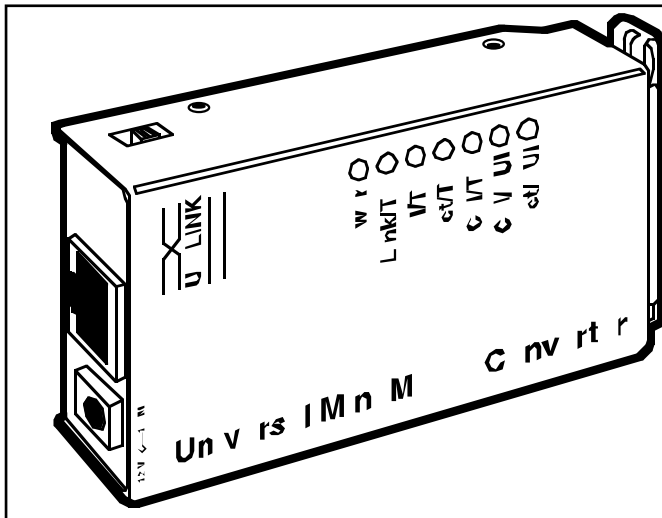
BLACK BOX[®]

NETWORK SERVICES

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UNIVERSAL MINI MEDIA CONVERTER



Attach any twisted-pair segment to any female AUI connector with slide latch.

Key Features

- ▶ **Attaches to any Ethernet transceiver with a standard AUI male connector.**
- ▶ **Handy slide latch secures the connection.**
- ▶ **Metal packaging shields against electromagnetic interference (EMI).**
- ▶ **Slide the MDI/MDIX switch to match 10BASE-T pinning.**
- ▶ **Includes external power supply.**
- ▶ **Diagnostic LEDs report activity and status.**
- ▶ **Also functions as an IEEE 802.3 repeater.**

The BLACK BOX[®] Universal Mini Media Converter provides a connection between a twisted-pair segment and any female Attachment Unit Interface (AUI) with slide latch. Transceiver drops or other male AUI devices can be connected to a 10BASE-T segment with the device.

The converter comes with an external power supply to drive the converter and any micro or mini-transceivers that you attach to it.

In the simplest of applications, you can use the Universal Mini Media Converter to connect a 10-Mbps twisted-pair cable to an AUI terminated cable. But when it's used with transceivers and mini transceivers, other media connections are easily possible. An Ethernet transceiver with a standard male AUI interface, for instance, can be connected to the converter via its female AUI connector.

Use the converter to:

- Convert 10BASE-T to 10BASE2 or 10BASE5 via the converter plus a 10BASE2 or 10BASE5 transceiver.
- Attach 10BASE-T cable to 10BASE-FL (multimode) cable via the converter plus a 10BASE-FL transceiver.
- Link 10BASE-T to single-mode fibre optic cable via the converter plus a single-mode fibre optic transceiver.

Two models are available—choose the one that works with your local power:

- Universal Mini Media Converter with a 95–125-VAC power supply (LE1510A-R2)
- Universal Mini Media Converter with 200–250-VAC power supply (LE1510AE-R2)

The chip controlling internal operation enables the media converter to also operate as a repeater (per IEEE 802.3 repeater specifications). This means you can extend your Ethernet network

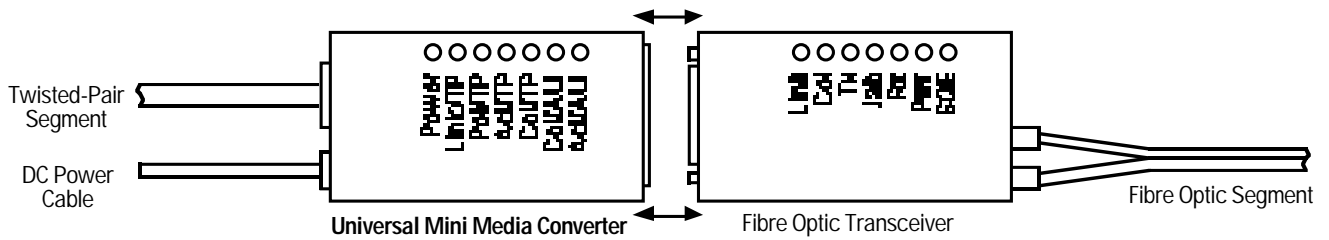
topology further because the device amplifies the signal between the connected segments (as long as you don't exceed the repeater hop count).

The 10BASE-T port on the converter has an MDI/MDIX switch, so there's no need to worry about attaching a correctly pinned twisted-pair cable. For crossover cable connections, just slide the switch. The converter's internal 10BASE-T circuit accounts for and corrects any polarity-miswired cable attached to its 10BASE-T port.

And the converter's high-strength metal case protects it from electromagnetic interference (EMI).

Diagnostic LEDs tell you the activity and status of the Universal Mini Media Converter at a glance. It has LEDs for Power, Link/TP, PoI/TP, Act/TP, Col/TP, Col/AUI, and Act/AUI.

How to link twisted-pair cable to fibre optic cable.



Specifications

Approvals: UL® Listed (1950); cUL; CE; FCC Part 15, Class A

Speed: 10 Mbps

Standards: Ethernet V 1.0/V2.0 IEEE 802.3; 10BASE-T

Transmission Method: Half-duplex

Connectors: (1) RJ-45 (10BASE-T); (1) DB15 AUI female; (1) mini RCA barrel (DC power)

Indicators: LEDs: (1) Power; (6) diagnostic/status LEDs:
 Link/TP: Steady ON when the connection is made at the twisted-pair end;
 Pol/TP: Indicates that a receive data wire-pair signal inversion has been detected on the twisted-pair port;
 Act/TP: Indicates activity has been detected on the twisted-pair port;
 Col/TP: Indicates the unit is simultaneously transmitting and receiving on the twisted-pair port;
 Col/AUI: Indicates unit is simultaneously transmitting and receiving on the AUI port;
 Act/AUI: Indicates activity has been detected on the AUI port

Temperature Tolerance:
 Operating: 32 to 120°F (0 to 49°C);
 Storage: -4 to +140°F (-20 to +60°C)

Humidity Tolerance: 10 to 95%, noncondensing

MTBF: 153,255 hours

Enclosure: High-strength metal, designed for wallmounting, closet shelf, or desktop

Power: External, wallmount:
 Input: LE1510A-R2: 95–125 VAC, 60 Hz;
 LE1510AE: 200–250 VAC, 50 Hz;
 Output: 12 VDC

Size: 2.7"H x 1.65"W x 0.75"D (6.9 x 4.2 x 1.9 cm)

Weight: Media Converter:
 4 oz. (113 g);
 Power supply: 10 oz. (284 g)

Ordering Information

ITEM	CODE
Universal Mini Media Converter	
95–125 VAC	LE1510A-R2
200–250 VAC.....	LE1510AE-R2
<i>Need a transceiver for fibre connections? Here's a good choice...</i>	
Mini FOIRL LD Transceiver, ST®	LE2127A-R3
(For more information and for other AUI terminated transceivers, call Tech Support, go to www.blackbox.co.uk , or request FaxBack #11330.)	