



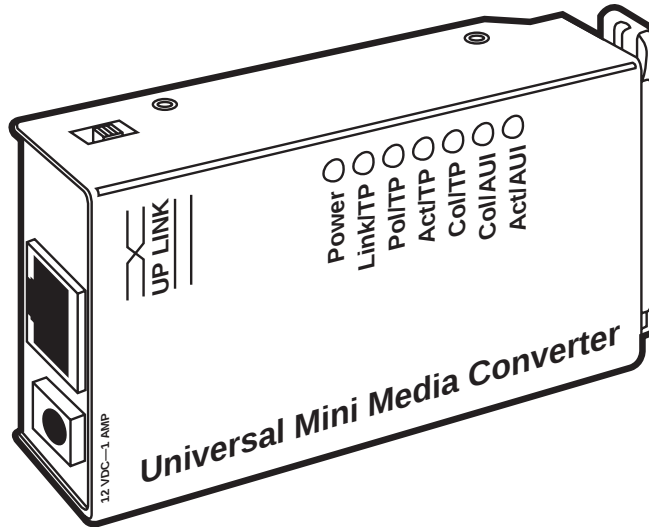
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BLACK BOX[®]

The World's Source for ConnectivitySM

Universal Mini Media Converter

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



Key Features

- ▶ Connect a twisted-pair segment to a Thin Ethernet or fiberoptic segment (single-mode or multimode).
- ▶ Attaches to any Ethernet transceiver with a standard AUI male connector.
- ▶ Handy slide latch secures the connection.
- ▶ High-strength metal packaging shields against electromagnetic interference (EMI).
- ▶ External power supply is included.
- ▶ Diagnostic LEDs report activity and status.

The Universal Mini Media Converter provides a connection between a twisted-pair segment and any female Attachment Unit Interface (AUI) with slide latch. It comes complete with an external power supply to fuel the Converter and any attached mini-transceivers. Any Ethernet transceiver with a standard male AUI interface can connect to the Converter via its female AUI connector.

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

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

The Converter can function in a variety of applications:

- Convert 10BASE-T to 10BASE-2 via the Converter plus a 10BASE2 transceiver.
- Attach 10BASE-T cable to 10BASE-FL (multi-mode) cable via the Converter plus a 10BASE-FL transceiver.
- Link 10BASE-T to single-mode fiberoptic cable via the Converter plus a single-mode fiberoptic transceiver.

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

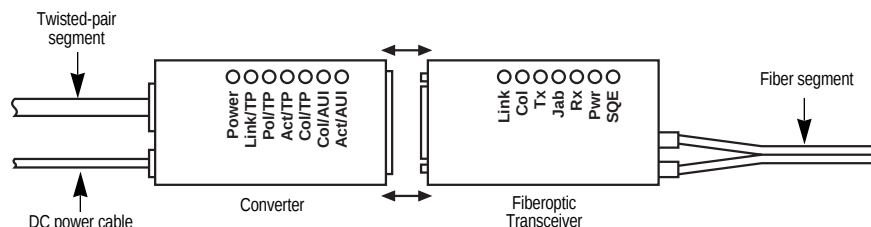
And the Converter's high-strength metal case protects it from electromagnetic interference (EMI).

A power supply and user manual are included with your Converter. You might also need to order cable and transceivers.

Typical Application

Connect twisted-pair to single- or multimode fiber, or to Thin Ethernet cable, with the Media Converter.

Link twisted-pair cable to
 fiberoptic cable as shown in the
 diagram at right.



Technically Speaking

Calculating cable lengths

Unlike repeaters, media converters do not extend media distances (and do not add to the hop count). The cable segment length on each side of a media converter is measured as a percentage of the maximum allowable standard media distance for the given media type, and the percentages when added together must not exceed 100%.

Status and activity LEDs

The Converter's LEDs function as follows:

- Power—Indicates the unit is receiving power.

- 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.

Additional equipment you may need:

- Twisted-pair, fiberoptic, or Thin Ethernet transceivers
- Twisted-pair, fiberoptic, or Thin Ethernet cable

For these and other components...

Call our expert Technical Support Staff for all your LAN needs. They'll help you find the best equipment for your application.

Ordering Information

This information will help you place your order quickly.

Specifications

Speed—10 Mbps

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

Indicators—Power LED; Diagnostic and status LEDs for each port: Link/TP, Pol/TP, Act/TP, Col/TP, Col/AUI, Act/AUI

Temperature—Operating: 32 to 120 °F (0-50 °C); Storage: -4 to 140 °F (-20 to 60 °C)

Humidity—10-95%, noncondensing

Approvals—UL* Listed (UL 1950); cUL; CE; FCC Part 15, Class A

Enclosure—High-strength metal, designed for wall-mounting, closet shelf, or desktop

Power—LE1510A: External 95-124 VAC power supply, 60 Hz; LE1510AE: External 200-250 VAC power supply, 50 Hz

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. (115 g); Power supply: 10 oz. (2285 g)

PRODUCT NAME

ORDER CODE

Universal Mini Media Converter

95-124 VACLE1510A

200-250 VAC.....LE1510AE