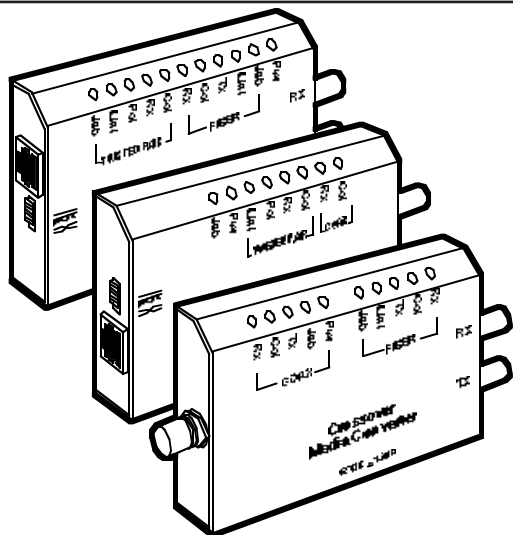# BLACK BOX®
NETWORK SERVICES

ECONOMY CROSSOVER MEDIA CONVERTERS

The mixed-media network converters with a small size __and__ a small price.

Key Features

▶ *A Media Converter for every need: single-mode or multimode, as well as transparent half-duplex and full-duplex flexibility.*

▶ *Easy installation. Just attach cable segments to the appropriate connectors on the converter.*

▶ *LEDs provide diagnostic and network-status information at a glance.*

▶ *Mix and match up to 16 Media Converters in the Rackmount Tray.*

Their small size, rugged packaging, and low cost make the Economy Crossover Media Converters the smart choice for translating data between media. And they come in a variety of media mixes: UTP to fibre, single-mode fibre, fibre with Link Pass-Through, or BNC.

Whether you're converting from RJ-45 to fibre or RJ-45 to BNC, these Converters are the easy way to connect twisted pair to other media in 10-Mbps Ethernet networks—new or expanded. Use them anywhere that media distance limitations are not restrictive.

The fibre models provide transparent half- and full-duplex operating modes. If you have a managed network, consider the model with Link Pass-Through, which helps identify problems on the fibre segment from the twisted-pair side. The BNC model has an internal BNC termination switch and also provides collision detection.

All of the Converters are compatible with Ethernet Version 1.0/2.0 specifications and comply with IEEE 802.3 standards.

LEDs give you at-a-glance diagnostics and network-status information. All models have indicators for power, link, and receiving. The BNC model also indicates collision, jabber, and polarity.

These Converters are designed for quick and easy installation, even in tight spaces. Since they're just about the size of a credit card and weigh in at a less than half a pound, the Converters can easily be mounted on a closet wall or to the side of a cabinet with Velcro®. Or, if you want to mix and match a number of Converters at once, the Rackmount Tray holds up to 16.

The Converters are designed to provide low-temperature operation over extended periods. Their strong metal housing shields them from EMI/RFI.

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Specifications

Data Rate — 10 Mbps

Standards — Ethernet V1.0/V2.0, IEEE 802.3; 10BASE-T, 10BASE-FL, 10BASE2

Transmission Mode — LE1505AE, LE1505AE, LE1501AE-R2, LE1501AE-R2: Full or half-duplex, transparent to the Converter; LE1506AE, LE1506AE: Full or half-duplex with Link Pass-through; LE1502AE-R2, LE1502AE-R2: Half-duplex with the BNC termination switch

Connectors —

RJ-45 Port: Shielded 8-pin F, with uplink switch;

Fiber Ports: Fiber optic 10BASE-FL ST, multimode (LE1505AE, LE1505AE, LE1506AE, LE1506AE) or single-mode (LE1501AE-R2, LE1501AE-R2);

BNC Port: Standard BNC RG58 ThinNet with manual internal termination switch

Indicators — LE1502AE-R2, LE1502AR-R2: (2) Collision, (1) Jabber, (1) Polarity, (1) Power, (1) Link, (2) Receiving; All other models: (1) Power, (2) Link, (2) Receiving

Temperature Tolerance — Operating: 0 to 40° C; Storage: -20 to +60° C

Humidity Tolerance — 10 to 95% noncondensing

Enclosure — Rugged steel sheet metal with convection cooling method

Power —

LE1505AE, LE1501AE-R2, LE1506AE, LE1502AE-R2:

95 to 125 VAC, 60 Hz;

LE1505AE, LE1501AE-R2, LE1506AE, LE1502AE-R2:

200 to 250 VAC, 50 Hz

Size —
2 x 7.6 x 5.3 cm; Rackmount Tray: 5.7 x 43 x 15 cm

Weight — 0.1 kg