

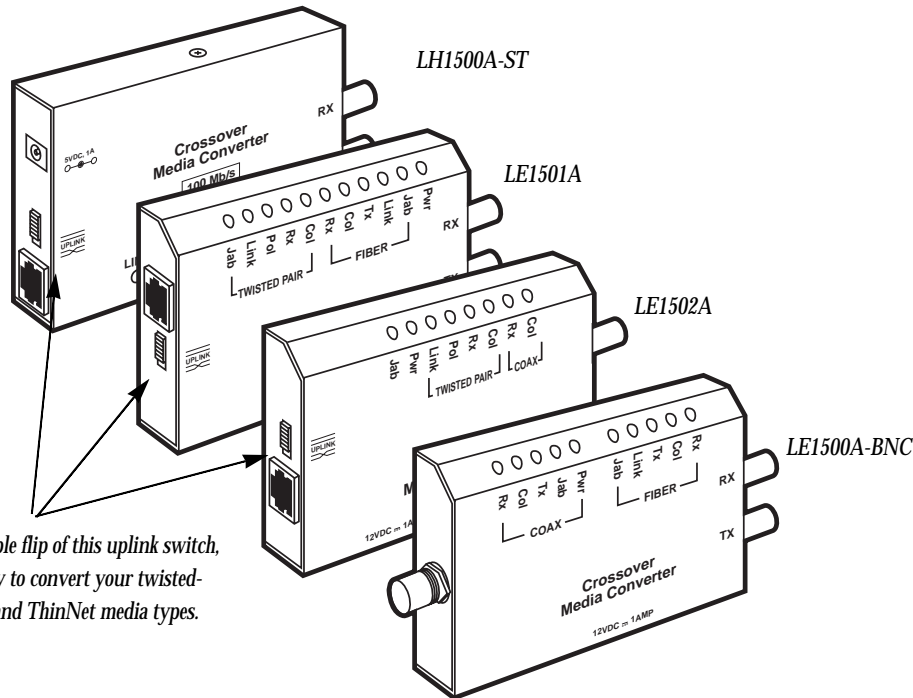


BLACK BOX[®]

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The World's Source for Cabling and Network ConnectivitySM

Crossover Media Converters



With a simple flip of this uplink switch, you're ready to convert your twisted-pair, fiber, and ThinNet media types.

Instant media conversion—without the expense or hassle of installing external crossover cables.

Key Features

- ▶ Uplink switch eliminates the need for crossover cables.
- ▶ 100-Mbps models convert twisted-pair to single- or multimode fiber.
- ▶ 10-Mbps models convert twisted-pair to single- or multimode fiber or ThinNet, and ThinNet to fiber.
- ▶ Complies fully with all Ethernet and Fast Ethernet protocol and cabling standards.
- ▶ Use LEDs for instant network and diagnostic information.

Overview

Now you can convert the 10- and 100-Mbps media types within your network without the expense or hassle of using external crossover cables. Simply invest in Black Box's Crossover Media Converters.

With these Converters, just flip a switch and you're ready to convert cable. The crossover feature is built-in, so the conversion takes place automatically—and you don't need to worry about using any external crossover cables.

These Media Converters enable you to translate between twisted pair and fiber, twisted pair and ThinNet, and ThinNet and fiber. Choose from models that support conversion from:

- 100-Mbps twisted pair to multimode fiber with SC or ST connectors;

- 100-Mbps twisted pair to single-mode fiber with SC connectors;
- 10-Mbps ThinNet to multimode fiber with ST connectors;
- 10-Mbps ThinNet to twisted pair;
- 10-Mbps twisted pair to single- or multimode fiber with ST connectors.

Using Media Converters enables you to take full advantage of the latest Ethernet switch technology and improve your network's performance.

Media Converters also save you the expense of installing repeaters on every port so you reduce your overall network operating costs.

Typical Application

You want to install Media Converters in your network to save money and improve performance, but you realize you need expensive crossover cable to make the conversion complete. If you choose Crossover Media Converters from Black Box, you don't need to worry about new cables. Simply determine what cable types you need to translate, flip the uplink switch, and these lightweight, compact devices take care of the rest.

Now it's even easier to convert between your various media types with our Crossover Media Converters. You can take full advantage of the latest Ethernet switch technology without the expense of additional crossover cables or costly repeaters.

Crossover Media Converters require an external power supply that you can plug directly into an AC wall socket or power strip. The 100-Mbps models also support autosensing half- or full-duplex operation.

Both the 10- and 100-Mbps models are small enough to fit in the palm of your hand so they take up very little space. You can even mount them easily in the available rack. Or

you can Velcro®-mount them or use the metal brackets to wall mount them wherever you want—and we include both of these items with your Media Converter purchase.

And what's more, you can use the LEDs to monitor power, link, and traffic status without additional diagnostic equipment.

Specifications

Operating Environment —

Ambient Temperature:
32 to 120° F (0 to 50° C);
Storage Temperature:
-5 to 140° F (-20 to 60° C);
Ambient Relative Humidity:
10% to 95%
non-condensing

Connectors — LH1500A-SC,
LH1501A: (1) RJ-45, (1) SC;
LH1500A-ST, LE1500A-UTP,
LE1501A: (1) RJ-45, (1) ST;
LE1500A-BNC: (1) BNC,
(1) ST;
LE1502A: (1) BNC, (1) RJ-45

Power — 95–125 VAC
at 60 Hz, 200–250 VAC
at 50 Hz;

Power Consumption:
5 watts maximum for
100-Mbps models,
6 watts maximum for
10-Mbps models

Size — LH1500A–LH1501A:
3"H x 3.5"W x 1"D
(2.5 x 8.9 x 7.6 cm)
LE1500A–LE1502A:
0.8"H x 3.5"W x 2.4"D
(2.1 x 8.9 x 6.1 cm)

Weight —
LH1500A–LH1501A: 0.6 lb.
(0.3 kg);
LE1500A–LE1502A: 0.3 lb.
(0.1 kg)

Additional equipment you may need:

- 10- and 100-Mbps Switches
- Category 5 Solid Conductor Cable
- Bulk Duplex Fiber Optic Cable
- 10- and 100-Mbps Hubs

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.

PRODUCT NAME	ORDER CODE
Crossover Media Converters	
100-Mbps	
100BASE-TX/Fiber-SC (Multimode).....	LH1500A-SC
100BASE-TX/Fiber-ST (Multimode)	LH1500A-ST
100BASE-TX/Fiber-SC (Single-Mode).....	LH1501A
10-Mbps	
ThinNet/Fiber-ST (Multimode)	LE1500A-BNC
with 230-VAC power supply	LE1500AE-BNC
10BASE-T/Fiber-ST (Multimode)	LE1500A-UTP
10BASE-T/Fiber-ST (Single-Mode).....	LE1501A
ThinNet/10BASE-T.....	LE1502A
Power Supply 115-VAC	PS1500
230-VAC.....	PS1500E
Rack for Media Converters	RM1500