

## Crossover Media Converters • Economy Crossover Media Converters

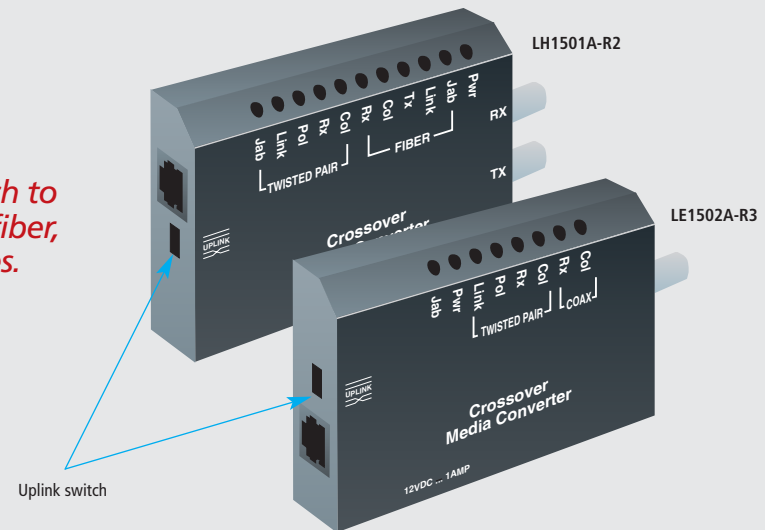


**Instant media conversion without the expense or hassle of installing external crossover cables.**

## 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.
- Comply fully with all Ethernet and Fast Ethernet protocol and cabling standards.
- LEDs provide instant network and diagnostic information.

*Simply flip the uplink switch to convert your twisted-pair, fiber, and ThinNet media types.*



## OVERVIEW

Convert the 10- and 100-Mbps copper and fiber within your network. Simply invest in Crossover Media Converters or their Economy versions.

With these converters, you can flip a switch to convert cable. The crossover feature is built-in, so the conversion takes place automatically—and you don't need to worry about the expense or hassle of using external crossover cables.

Crossover Media Converters and Economy Crossover Media Converters enable you to translate between twisted pair and fiber and twisted pair and ThinNet. Models support conversion from:

- 100-Mbps twisted pair to multimode fiber with ST® or SC connectors. The LH1506A even connects 100-Mbps twisted pair to multimode fiber with MT-RJ connectors;
- 100-Mbps twisted pair to single-mode fiber with SC connectors. The LH1508A even enables long-haul links of up to 40 kilometers (24.8 mi.);
- 10-Mbps twisted pair to single-mode fiber with ST connectors.
- 10-Mbps ThinNet to twisted pair;
- 10-Mbps ThinNet to multimode fiber with ST connectors or multimode fiber with ST connectors and link pass-through;

The converters enable you to take advantage of the latest Ethernet switch technology and improve your network's performance.

These media converters also save you the expense of installing repeaters on every port, thus reducing overall network operating costs.

The converters also include an external 110-VAC, 95–125-VAC, 230-VAC, or 200–250-VAC power supply that you can plug into a 110- or 230-VAC wall socket or power strip.

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 mount them easily in the available racks or you can VELCRO® mount them.

Note that the Economy Crossover Media Converter does not support autosensing half- or full-duplex operation, however the 100-Mbps Crossover Media Converters (LH1500A-ST-R3, LH1500A-SC-R3, LH1501A-R2) *do* support this feature.

All the converters include a metal bracket for wallmounting.



LH1504A

## TECH SPECS

### Compliance —

FCC Part 15, Class A: LH1500A-ST-R3, LH1500A-SC-R3, LH1501A-R2, LE1501A-R2-LE1502A-R3, LE1505A-LE1506A;  
 FCC Part 15, Class B: LH1503A-LH1504A, LH1506A-LH1508A;  
 UL® 1950: LH1501A-R2, LH1503A-LH1504A, LH1506A-LH1508A;  
 UL 1310: LE1501A-R2, LE1502A-R3, LE1505A-LE1506A;  
 CSA: LE1501A-R2, LE1502A-R3, LE1505A-LE1506A

### Speed —

100 Mbps: LH1500A-ST-R3, LH1500A-SC-R3, LH1501A-R2, LH1503A-LH1504A, LH1503AE-LH1504AE, LH1506A-LH1508A, LH1507AE-LH1508AE;  
 10 Mbps: LE1501A-R2, LE1501AE-R2, LE1502A-R3, LE1502AE-R4, LE1505A-LE1506A, LE1505AE

**Connectors** — LH1500A-SC-R3, LH1501A-R2, LH1503A, LH1503AE, LH1507A-LH1508A, LH1507AE-LH1508AE: (1) RJ-45, (1) pair of SC; LH1500A-ST-R3, LE1501A-R2, LE1501AE-R2, LE1505A-LE1506A, LE1505AE, LH1504A, LH1504AE: (1) RJ-45, (1) pair of ST; LE1502A-R3, LE1502AE-R4: (1) RJ-45, (1) BNC; LH1506A: (1) RJ-45, (1) MT-RJ

**Indicators** — (3) LEDs: LH1500A-ST-R3, LH1500A-SC-R3, LH1501A-R2; (5) LEDs: LE1501A-R2, LE1501AE-R2, LE1505A-LE1506A, LE1505AE; (8) LEDs: LE1502A-R3, LE1502AE-R4; (10) LEDs: LH1503A-LH1504A, LH1503AE-LH1504AE, LH1506A-LH1508A, LH1507AE-LH1508AE

**Operating Environment** — Temperature: 32 to 120°F (0 to 49°C); Humidity: 10 to 95%, noncondensing

**Power** — LH1500A-ST-R3, LH1500A-SC-R3, LH1501A-R2: 110-VAC, 60-Hz external power supply; LE1501A-R2, LE1502A-R3, LE1505A-LE1506A, LH1503A-LH1504A, LH1506A-LH1508A: 95-125-VAC, 60-Hz external power supply; LE1501AE-R2, LE1502AE-R4, LE1505AE, LH1503AE-LH1504AE, LH1507AE-LH1508AE: 200-250-VAC, 50-Hz external power supply

**Size** — LH1500A-ST-R3, LH1500A-SC-R3: 3"H x 3.5"W x 1"D (7.6 x 8.9 x 2.5 cm); LH1501A-R2: 0.9"H x 2.8"W x 3.6"D (2.3 x 7.1 x 9.1 cm); LE1501A-R2, LE1501AE-R2, LE1502A-R3, LE1502AE-R4, LE1505A-LE1506A, LE1505AE: 0.8"H x 2.1"W x 3"D (2 x 5.3 x 7.6 cm); LH1503A-LH1504A, LH1503AE-LH1504AE, LH1506A-LH1508A, LH1507AE-LH1508AE: 3.5"H x 3"W x 1"D (8.9 x 7.6 x 2.5 cm)

Item	Code
<b>Crossover Media Converters</b>	
100-Mbps	
100BASE-TX/Multimode ST	<b>LH1500A-ST-R3</b>
100BASE-TX/Multimode SC	<b>LH1500A-SC-R3</b>
100BASE-TX/Single-Mode SC	<b>LH1501A-R2</b>
<b>Economy Crossover Media Converters</b>	
10-Mbps	
10BASE-T/ThinNet	<b>LE1502A-R3</b>
230-VAC Version	<b>LE1502AE-R4</b>
10BASE-T/Multimode ST	<b>LE1505A</b>
230-VAC Version	<b>LE1505AE</b>
10BASE-T/Multimode ST w/Link Pass-Through	<b>LE1506A</b>
10BASE-T/Single-Mode ST	<b>LE1501A-R2</b>
230-VAC Version	<b>LE1501AE-R2</b>
100-Mbps	
100BASE-TX/Multimode ST	<b>LH1504A</b>
230-VAC Version	<b>LH1504AE</b>
100BASE-TX/Multimode SC	<b>LH1503A</b>
230-VAC Version	<b>LH1503AE</b>
100BASE-TX/Multimode MT-RJ	<b>LH1506A</b>
100BASE-TX/Single-Mode SC	<b>LH1507A</b>
230-VAC Version	<b>LH1507AE</b>
100BASE-TX/Single-Mode, Long-Haul SC	<b>LH1508A</b>
230-VAC Version	<b>LH1508AE</b>
<b>Rack for Crossover Media Converters</b>	
Rackmount Tray for Economy Crossover Media Converters	<b>RM1500</b>
<b>Powered Rackmount Tray for Economy Crossover Media Converters</b>	
	<b>LE1505-RACK</b>
	<b>LH1505P-RACK</b>
<b>Spare Power Supplies</b>	
115-VAC	<b>PS1500</b>

## WHAT'S INCLUDED

### Crossover Media Converters and Economy Crossover Media Converters:

- ◆ Media converter
- ◆ Bracket for rackmounting
- ◆ User's manual

## Free Manuals Download Website

<http://myh66.com>

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