

Hardened Media Converter Switches

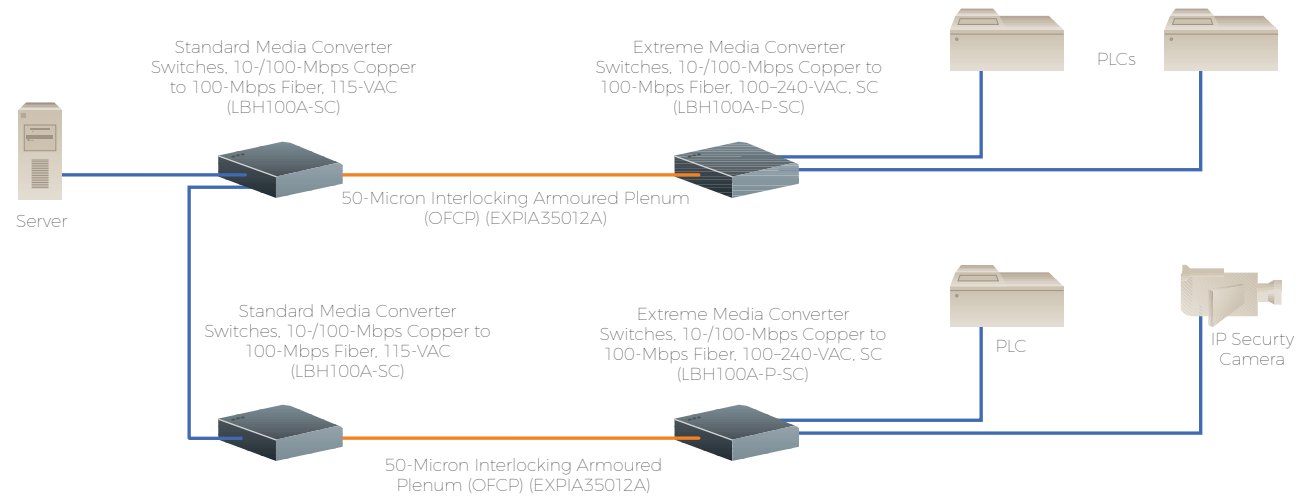
These Media Converter Switches can withstand even the toughest environments.



FEATURES

- » Media Converter Switches feature LEDs on two sides so you can view network status at a glance no matter which way the unit is mounted.
- » Function as both a media converter and a switch.
- » Provide one 100-Mbps or 1000-Mbps Gigabit fiber port and two 10-/100-Mbps or 10-/100-/1000-Mbps UTP switch ports.
- » Copper ports are autosensing for speed and duplex and feature MDI/MDI-X.
- » Support VLAN tagging and Spanning Tree passthrough.
- » Tough enough to withstand any environment—whether it's the wiring closet, the factory floor, or even the desert!
- » Mount on DIN rails with optional brackets or you can rackmount up to 16 units in the optional trays.
- » FF WARRANTY – 3 Years

Switch PLCs and an IP security camera on the shop floor to a 100-/1000-Mbps server over fiber plenum cable.



OVERVIEW

Use Standard Media Converter Switches in clean, temperature-controlled areas of +32 to +104° F (0 to +40° C), such as offices and closets.

Hardened Media Converter Switches suit -13 to +140° F (-25 to +60° C) operation in dusty or dirty environments. Their sealed cases are a heat sink, so no internal airflow is needed for cooling, and they resist contaminants such as dust, dirt, and moisture.

For harsher environments of -40 to +167° F (-40 to +75° C), choose Extreme Media Converter Switches. These rugged units are for outdoor use (they only require protection from water) and feature a sealed case, which uses its own metal shell as a heat sink.

Power supplies with recessed IEC connectors work with any IEC standard power cord, making them adaptable to most international locations.

DC-powered Hardened and Extreme units have internal screw terminals for connecting DC power in addition to the AC power jack. You can use them simultaneously with both your DC power supply and an AC power adapter (sold separately) to provide redundant power input.

You can also order a Powered Rackmount Tray, available with one or two common AC adapters that output 9 VDC to 16 Media Converter Switches.



The DIN Rail Mounting Bracket (DIN-RAIL MC2) features a spring latch that enables you to quickly add or remove a module without using a screwdriver. Like the Media Converter Switches, the bracket is all metal, tough, and durable.

TECH SPECS

Altitude — -200 to 13,000 ft. (-60.9 to 3962.4 m)
Distance (Maximum) — Multimode models: 2 km (1.2 mi.);
 Single-mode SC models: 20 km (12.4 mi.);
 Single-mode LC models: 15 km (9.3 mi.);
Enclosure — Steel
Environmental —
 Operating Temperature:
 Standard: +32 to +104° F
 (0 to +40° C);
 Hardened: -13 to +140° F
 (-25 to +60° C);
 Extreme: -40 to +167° F
 (-40 to +75° C)
 Storage Temperature: -40 to +185° F (-40 to +85° C);
 Humidity: -95%, noncondensing
Standards — IEEE 802.3, IEEE 802.3u, IEEE 802.1p/q, IEEE 802.3z.

Power — Input: Standard 115-VAC models:
 115 VAC, 60 Hz, external;
 Standard 240-VAC models: 240 VAC, 50 Hz, external, with IEC
 connector;
 Hardened and Extreme AC models: 100-240 VAC, 47-63 Hz,
 external;
 12-, 24-, and 48-VDC models: Internal terminal block plus jack for
 AC power supply (not included);
 Draw: 10-/100-Mbps models:
 4.8 watts typical, 6 watts maximum;
 10-/100-/1000-Mbps models: 4 watts
 typical, 5 watts maximum
Size — 3.5"H x 3"W x 1"D
 (8.9 x 7.6 x 2.5 cm)
Weight — Media Converter Switches:
 0.3 lb. (0.1 kg);
 Standard and Hardened Power Supplies:
 0.4 lb. (0.2 kg);
 Extreme Power Supplies: 0.5 lb. (0.2 kg)

Buyer's Guide | 10-/100-Mbps Media Converter Switches, Standard: +32 to +104° F (0 to +40° C)

	Multimode	
	SC	ST®
115 VAC, 60 Hz	LBH100A-SC	LBH100A-ST

Buyer's Guide | 10-/100-Mbps Media Converter Switches, Hardened: -13 to +140° F (-25 to +60° C)

	Multimode		Single-Mode		
	SC	ST	SC	LC	Long-Distance/SC
115 VAC, 60 Hz	LBH100A-H-SC	LBH100A-H-ST		—	
230 VAC, 50 Hz w/IEC power connector	LBH100AE-H-SC			LBH100AE-H-SLC	
24 VDC*	LBH100A-H-SC-24	LBH100A-H-ST-24		—	
24 VDC* w/DIN rail bracket	LBH100A-HD- SC-24	LBH100A-HD- ST-24		—	



Buyer's Guide | 10-/100-Mbps Media Converter Switches, Extreme: -40 to +167° F (-40 to +75° C)

	Multimode		Single-Mode
	SC	ST	SC
230 VAC, 50 Hz w/IEC power connector	LBH100AE-P-SC	LBH100AE-P-ST	LBH100AE-P-SSC
12 VDC*			LBH100A-P-SSC-12

Buyer's Guide | 10-/100-/1000-Mbps Media Converter Switches, Hardened or Extreme

	Multimode	Single-Mode	Single-Mode
	SC	LC	LC
100-240 VAC, 47-63 Hz		LBH2001A-H-LX	LBH2001A-P-LX

*

Models with terminal blocks for DC power also feature a jack for an AC power adapter (not included).

Item

Code

For DIN rail mounting, order...

For spare power supplies, order...

AC Power Supplies for Media Converter Switches
 Hardened
 100-240 VAC LBH100A-H-PS
 100-240 VAC with IEC Connector
 LBH100AE-H-PS

DIN Rail Mounting Bracket DIN-RAIL MC2

