

Mc Modules for MediaConverter Chassis Series

Ethernet-based, Modular Media Converters (McPIM, McLIM & McGigabit)

The MediaConverter Series is a cost-effective solution for extending the life of legacy equipment and bringing fiber to the desktop.

Features and Benefits

Modules meet a variety of installation requirements

- Supports Ethernet, Fast Ethernet, and Gigabit Ethernet, and up to OC-3 for mode converters
- Available for multi-mode or single-mode fiber with ST or SC fiber connectors
- Supports very long fiber distances

A variety of chassis options

- Table-top or rackmountable
- 1-, 4-, 8- and 12-slot chassis
- 12-slot chassis is only 1U high
- AC power

Maximizes network uptime

- Modular, hot-swappable architecture reduces operational costs associated with product installation, upgrades and maintenance

Eases Troubleshooting

- LinkLoss and FiberAlert features assist in diagnosing problems on fiber optic networks



Your network is growing and many new access points, workstations, etc. are required. However, legacy equipment, along with your existing wiring infrastructure, must work with any new equipment you implement in your network. When copper-to-fiber, copper-to-coax or fiber-to-fiber conversions are required, along with advanced troubleshooting features, our MediaConverter Series is the perfect solution.

IMC Networks' MediaConverter Series enables you to easily and cost-effectively connect one type of media to other dissimilar media or networking products. This series increases the functionality and extends the productive life of both your legacy cabling infrastructure and networking equipment when adding fiber to your network.

The MediaConverter series includes:

MediaConverter Chassis:

- 1, 4, 8 and 12-slot varieties

MediaConverter Modules:

- **McPIM:**
 - One 10 Mbps twisted pair port with an RJ-45 connector
 - One 10 Mbps fiber port with ST or SC connector(s)
- **McLIM:**
 - One 100 Mbps twisted pair port with an RJ-45 connector
 - One 100 Mbps fiber port with ST or SC connector(s)
- **Switching McLIM TP-TX/FX:**
 - One 10/100 Mbps twisted pair port with an RJ-45 connector
 - One 100 Mbps fiber port with ST or SC connector(s)
 - Plug-and-play operation
- **McGigabit:**
 - One 1000 Mbps twisted pair port with an RJ-45 connector
 - One 1000 Mbps fiber port with SC connector(s)
 - Plug-and-play operation

MEDIA CONVERSION

Technical Specifications

All MediaConverter Modules

- Install in any MediaConverter chassis
- 50/125µm or 62.5/125µm multi-mode fiber
- 9/125µm single-mode fiber
- Support Half- and Full-Duplex operation
- Include diagnostic LEDs
- Include hot-swappable architecture

McPIM

- 10Base-T twisted pair
- 10Base-FL fiber
- Includes MDI-II/MDI-X switch
- Features LinkLoss and Pulsing FiberAlert

McLIM

- 100Base-TX twisted pair
- 100Base-FX or SX fiber
- AutoCross for MDI-II/MDI-X
- Features LinkLoss and FiberAlert
- Features Auto-Negotiation

McLIM TP-TX/FX

- 10Base-T twisted pair
- 100Base-TX twisted pair
- 100Base-FX or SX fiber
- AutoCross for MDI-II/MDI-X
- Features Auto-Negotiation
- Available for single-strand fiber

McGigabit

- 1000Base-T twisted pair
- 1000Base-LX or SX fiber
- AutoCross for MDI-II/MDI-X
- Available for single-strand fiber

MediaConverter Modules

Dimensions: 4.2"H x 0.77"W x 3.5"D
(10.67 x 1.96 x 8.89 cm)

Shipping Weight:
0.7 lbs (0.32 kg)

Operating Temperature:
+32° to +122° F (0° to +50° C);
5% to 95% (non-condensing), 0 – 10,000 ft. altitude

Storage Temperature:
-13° to +158° F (-25° to +70° C);
5% to 95% (non-condensing)

MediaConverter/1

Dimensions: 1.60"H x 4.8"W x 4.5"D
(4 x 12.1 x 11.5 cm)

Shipping Weight:
2 lbs (.9 kg)

AC Input Load:
115/230 or 120-240V AC, 50/60Hz, 0.3A/0.15A

MediaConverter/4

Dimensions: 1.7"H x 9.1"W x 5"D
(4.4 x 23.1 x 12.6 cm)

Shipping Weight:
3.5 lbs (1.6 kg)

AC Input Load:
120/240V AC, 50/60Hz, 1A/0.5A

MediaConverter/8

Dimensions: 1.7"H x 17.4"W x 5"D
(4.4 x 44.2 x 12.8 cm)

Shipping Weight:
6.25 lbs (2.8 kg)

AC Input Load:
120/240V AC, 50/60Hz, 1A/0.5A

MediaConverter/12

Dimensions: 1.7"H x 19"W x 9"D
(4.4 x48.3 x 22.9 cm)

Shipping Weight:
11.0 lbs (5 kg)

AC Input Load:
115/230 or 120-240V AC, 50/60Hz, 1.2A/0.6A

DC Input Load:
-48V DC, 5A

MediaConverter Chassis Series

Operating Temperature:
+32° to +122° F (0° to +50° C);
5% to 95% (non-condensing), 0 – 10,000 ft. altitude

Storage Temperature:
-13° to +158° F (-25° to +70° C);
5% to 95% (non-condensing)

PART #	DESCRIPTION	# OF SLOTS
MediaConverter Chassis		
851-10901	MediaConverter/1	1
851-10904	MediaConverter/4	4
851-10908	MediaConverter/8	8
851-10912	MediaConverter/12	12
MediaConverter Chassis		
806-39040	AC Power Supply for MediaConverter/12	

Fiber Optics Specifications

For each product listed below in the Ordering Information section, the DISTANCE represents an approximate fiber distance based on industry-standard fiber attenuation specifications. Actual distances will vary for each installation. For complete power budgets and information on calculating specific distances, visit www.imcnetworks.com/go/fcs or contact IMC Networks Fiber Consulting Services at 949-465-3000.

PART #	DESCRIPTION	DIST
McPIM: TP/FO (10 Mbps Copper to 10 Mbps Fiber)		
855-12840	TP/FO-MM850-ST	2 km
855-12841	TP/FO-MM850-SC	2 km
855-12842	TP/FO-MM1300-ST	2 km
855-12843	TP/FO-MM1300-SC	2 km
855-12844	TP/FO-SM1310/PLUS-ST	40 km
855-12845	TP/FO-SM1310/PLUS-SC	40 km
855-12846	TP/FO-SM1310/LONG-ST	70 km
855-12847	TP/FO-SM1310/LONG-SC	70 km
855-12848	TP/FO-SM1550/LONG-ST	80 km
855-12849	TP/FO-SM1550/LONG-SC	80 km

PART #	DESCRIPTION	DIST
McGigabit: TX/SX and TX/LX (1000 Mbps Copper to 1000 Mbps Fiber)		
855-12670	TX/SX-MM850-SC	550 m
855-12691	TX/SX-SM1300-SC	550 m
855-12671	TX/LX-SM1310-SC	15 km
855-12672	TX/LX-SM1310/PLUS-SC	40 km
855-12673	TX/LX-SM1550/LONG-SC	80 km
McGigabit: TX/SX and TX/LX Single-Strand Fiber*		
855-12694	TX/SSBX-SM1310-SC (1490rcv)	10 km
855-12695	TX/SSBX-SM1490-SC (1310rcv)	10 km
855-12696	TX/SSBX-SM1310/PLUS-SC (1490rcv)	30 km
855-12697	TX/SSBX-SM1490/PLUS-SC (1310rcv)	30 km
855-12674	TX/SSLX-SM1310-SC (1550rcv)	15 km
855-12675	TX/SSLX-SM1550-SC (1310rcv)	15 km
855-12676	TX/SSLX-SM1310/PLUS-SC (1550rcv)	40 km
855-12677	TX/SSLX-SM1550/PLUS-SC (1310rcv)	40 km
855-12686	TX/SSLX-SM1510/LONG-SC (1570rcv)	60 km
855-12687	TX/SSLX-SM1570/LONG-SC (1510rcv)	60 km
855-12688	TX/SSLX-SM1510/XLONG-SC (1570rcv)	70 km
855-12689	TX/SSLX-SM1570/XLONG-SC (1510rcv)	70 km

PART #	DESCRIPTION	DIST
McLIM: TP-TX/FX and TP-TX/SX (10 or 100 Mbps Copper to 100 Mbps Fiber)		
855-12620	TP-TX/SX-MM850-ST	550 m
855-12621	TP-TX/SX-MM850-SC	550 m
855-12622	TP-TX/FX-MM1300-ST	5 km
855-12623	TP-TX/FX-MM1300-SC	5 km
855-12624	TP-TX/FX-SM1310/PLUS-ST	40 km
855-12625	TP-TX/FX-SM1310/PLUS-SC	40 km
McLIM: TP-TX/FX and TP-TX/SX Single-Strand Fiber*		
855-12642	TP-TX/SSFX-SM1310-SC (1550rcv)	20 km
855-12643	TP-TX/SSFX-SM1550-SC (1310rcv)	20 km
855-12644	TP-TX/SSFX-SM1310/PLUS-SC (1550rcv)	40 km
855-12645	TP-TX/SSFX-SM1550/PLUS-SC (1310rcv)	40 km

PART #	DESCRIPTION	DIST
McLIM: TX/FX and TX/SX (100 Mbps Copper to 100 Mbps Fiber)		
855-12662	TX/SX-MM850-ST	2 km
855-12663	TX/SX-MM850-SC	2 km
855-12660	TX/FX-MM1300-ST	5 km
855-12661	TX/FX-MM1300-SC	5 km
855-12664	TX/FX-SM1310/PLUS-ST	40 km
855-12665	TX/FX-SM1310/PLUS-SC	40 km
855-12668	TX/FX-SM1310/LONG-SC	80 km
855-12669	TX/FX-SM1550/LONG-SC	80 km
McLIM: TX/FX and TX/SX Single-Strand Fiber*		
855-12680	TX/SSFX-SM1310-SC (1550rcv)	20 km
855-12681	TX/SSFX-SM1550-SC (1310rcv)	20 km
855-12682	TX/SSFX-SM1310/PLUS-SC (1550rcv)	40 km
855-12683	TX/SSFX-SM1550/PLUS-SC (1310rcv)	40 km
855-12684	TX/SSFX-SM1310/LONG-SC (1550rcv)	60 km
855-12685	TX/SSFX-SM1550/LONG-SC (1310rcv)	60 km

*These products have single-strand fiber technology. Deploy in pairs, or connect to another compatible IMC Networks single-strand fiber product. For more information go to: www.imcnetworks.com/products/SSFX-fcm

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