

Monitor and control all connections from a central site with iMcV Series SNMP-manageable media conversion modules.

Features and Benefits

Meets a variety of installation requirements

- Supports Ethernet or Fast Ethernet
- Available for multi-mode or single-mode fiber
- Double fiber capacity with single-strand fiber versions
- ST, SC or Small Form Factor fiber connectors
- Supports very long fiber distances

Easy to configure and manage with GUI-based iView

- Up and running in less than 5 minutes
- Monitor links and receive vital traffic and health information and notification should problems occur

Maximizes network uptime

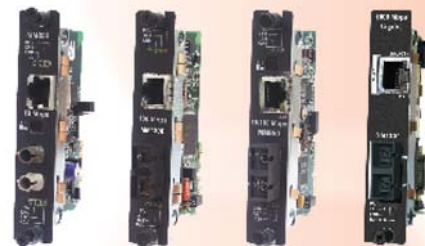
- Modular, hot-swappable architecture reduces operational costs associated with product installation, upgrades and maintenance

Eases Troubleshooting

- LinkLoss and FiberAlert features, plus SNMP management and LEDs, assist in diagnosing problems on fiber optic networks
- Features Link Fault Pass-Through (LFPT), a troubleshooting feature that monitors the copper and fiber ports of the unit; if a port loses LINK, the unit disables the transmitting signal on the other port (Pass-Through) and notifies the user via LED (iMcV-LIM (100) and iMcV-Gigabit only)

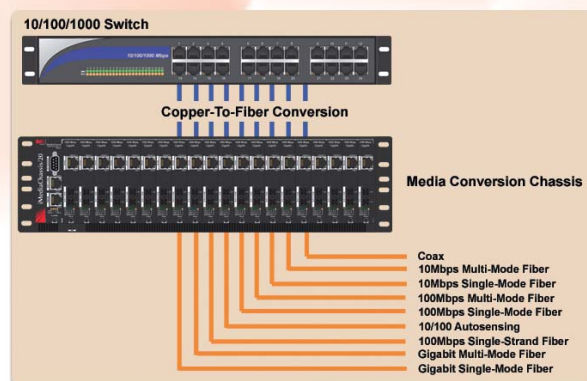
The iMcV series includes

- **iMcV-PIM** converts copper to fiber at a data rate of 10 Mbps
- **iMcV-LIM** converts copper to fiber at a data rate of 100 Mbps
- **iMcV-LIM 10/100** converts 10 Mbps copper to 10 Mbps fiber OR converts 100 Mbps copper to 100 Mbps fiber
- **iMcV-Gigabit** converts copper to fiber at a data rate of 1.25 Gbps



Satisfying today's networking needs while preparing for tomorrow's requirements in cabling bandwidth, distance and security can make designing and installing the physical layer of networks a daunting task. The decreasing cost of fiber optic cabling and switching equipment makes all-optical LANs the obvious choice when future-proofing a network. Replacing legacy equipment and the wiring infrastructure is a costly choice that could produce too much network downtime. Managed media conversion allows the implementation of new technologies on an existing network and the monitoring of all connections to keep networks up-to-date and running in peak condition.

Easily configure and manage converters with the GUI-based iView². As an SNMP management application, iView² gives network managers the ability to monitor and control IMC Networks' products. iView² runs standalone on Windows NT/XP/2000, as a standalone Java Application for other operating systems, as a snap-in module for HP OpenView, as a Web Server running under IIS or as a Java Web Servlet. For assistance in selecting the right version of iView² for your operating system, visit our web site at: <http://www.imcnetworks.com/go/iview2>



Application Example

These iMcV series modules make the critical connection between twisted pair and fiber optics. Most are also available in a single-strand fiber version which allows two wavelengths to share one fiber strand — Full-Duplex data travels on different wavelengths (1310 nm and 1550 nm, for example)— doubling the capacity of fiber. Deploy single-strand fiber products in pairs, or connect two compatible IMC Networks single-strand fiber products.

Technical Specifications

iMcV-PIM

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

iMcV-LIM (100)

- 100Base-TX twisted pair
- 100Base-FX or SX fiber
- AutoCross for MDI-II/MDI-X
- Features LinkLoss and FiberAlert
- Features Link Fault Pass-Through (LFPT)
- Features Auto Negotiation

iMcV-LIM (10/100)

- 10Base-T twisted pair
- 10Base-FL fiber
- 100Base-TX twisted pair
- 100Base-FX or SX fiber
- MDI-II/MDI-X switch
- Features Link Fault Detection and Transparency
- Features Auto Negotiation

iMcV-Gigabit

- 1000Base-T twisted pair
- 1000Base-LX or SX fiber
- AutoCross for MDI-II/MDI-X
- Features FiberAlert, LinkLoss & Link Fault Pass-Through

All Modules

- **Connectors:** RJ-45 and ST, SC or MT-RJ
- 50/125µm or 62.5/125µm multi-mode fiber
- 9/125µm single-mode fiber
- Available for single-strand fiber
- Installs in any iMediaChassis, or MediaChassis
- Support GUI-Based iView²
- Support Half- and Full-Duplex operation
- Include diagnostic LEDs
- Include hot-swappable architecture

Shipping Weight:

0.30 lbs (.11 kg)

Regulatory Approvals:

- FCC Class A
- UL/cUL, CE

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)

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.

Ordering Information

PART NUMBER	DESCRIPTION	DISTANCE
iMcV-PIM 10 Mbps Modules		
850-14940	TP/FO-MM850-ST	2 km
850-14941	TP/FO-MM850-SC	2 km
850-14942	TP/FO-MM1300-ST	2 km
850-14943	TP/FO-MM1300-SC	2 km
850-14944	TP/FO-SM1310/PLUS-ST	40 km
850-14945	TP/FO-SM1310/PLUS-SC	40 km
850-14946	TP/FO-SM1310/LONG-ST	70 km
850-14947	TP/FO-SM1310/LONG-SC	70 km
850-14949	TP/FO-SM1550/LONG-SC	80 km

PART NUMBER	DESCRIPTION	DISTANCE
iMcV-LIM 100 Mbps Modules¹		
850-11922	TX/FX-MM850-ST	2 km
850-11923	TX/FX-MM850-SC	2 km
850-11920	TX/FX-MM1300-ST	5 km
850-11921	TX/FX-MM1300-SC	5 km
850-11926	TX/FX-SM1310/PLUS-ST	40 km
850-11927	TX/FX-SM1310/PLUS-SC	40 km
850-11932	TX/FX-SM1310/LONG-ST	80 km
850-11933	TX/FX-SM1310/LONG-SC	80 km
850-11931	TX/FX-SM1550/LONG-SC	80 km
iMcV-LIM 100 Mbps Modules Single-Strand Fiber Modules ^{*1}		
849-11720	TX/SSFx-SM1310-SC (1550rcv)	2 km
849-11721	TX/SSFx-SM1550-SC (1310rcv)	2 km
849-11714	TX/SSFx-SM1310-SC (1550rcv)	20 km
849-11715	TX/SSFx-SM1550-SC (1310rcv)	20 km
849-11716	TX/SSFx-SM1310/PLUS-SC (1550rcv)	40 km
849-11717	TX/SSFx-SM1550/PLUS-SC (1310rcv)	40 km
849-11718	TX/SSFx-SM1310/LONG-SC (1550rcv)	60 km
849-11719	TX/SSFx-SM1550/LONG-SC (1310rcv)	60 km

^{*} These products have single-strand fiber technology. For more information go to: www.imcnetworks.com/products/SSFx.cfm

¹ Models with the Link Fault Pass-Through (LFPT) feature are available at a discounted price. To order, request part number 850-149XX, (i.e., 850-11920 becomes 850-14920).

PART NUMBER	DESCRIPTION	DISTANCE
iMcV-LIM 10/100 Mbps Modules		
850-14260	10/100-MM850-ST	2 km
850-14261	10/100-MM850-SC	2 km
850-14262	10/100-MM1300-ST	5 km
850-14263	10/100-MM1300-SC	5 km
850-14267	10/100-SM1310/PLUS-ST	40 km
850-14268	10/100-SM1310/PLUS-SC	40 km
850-14269	10/100-SM1310/LONG-ST	80 km
850-14270	10/100-SM1310/LONG-SC	80 km
850-14274	10/100-SM1550/LONG-SC	80 km

PART NUMBER	DESCRIPTION	DISTANCE
iMcV-Gigabit 1000 Mbps Modules¹		
850-11913	TX/SX-MM850-SC	550 m
850-11914	TX/LX-SM1310-SC	15 km
850-11915	TX/LX-SM1310/PLUS-SC	40 km
850-11917	TX/LX-SM1550/LONG-SC	80 km
850-11918	TX/LX-SM1550/XLONG-SC	100 km
iMcV-Gigabit 1000 Mbps Module Single-Strand Fiber ^{*1}		
850-11844	TX/SSLX-SM1310 SC (1550rcv)	15 km
850-11845	TX/SSLX-SM1550 SC (1310rcv)	15 km
850-11834	TX/SSLX-SM1310 SC (1490rcv)	10 km
850-11835	TX/SSLX-SM1490 SC (1310rcv)	10 km
850-11846	TX/SSLX-SM1310/PLUS-SC (1550rcv)	30 km
850-11847	TX/SSLX-SM1550/PLUS-SC (1310rcv)	30 km
850-11836	TX/SSLX-SM1310/PLUS-SC (1490rcv)	30 km
850-11837	TX/SSLX-SM1490/PLUS-SC (1310rcv)	30 km
850-11848	TX/SSLX-SM1310/LONG-SC (1550rcv)	60 km
850-11849	TX/SSLX-SM1550/LONG-SC (1310rcv)	60 km
850-11850	TX/SSLX-SM1490/XLONG-SC (1550rcv)	70 km
850-11851	TX/SSLX-SM1550/XLONG-SC (1490rcv)	70 km



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