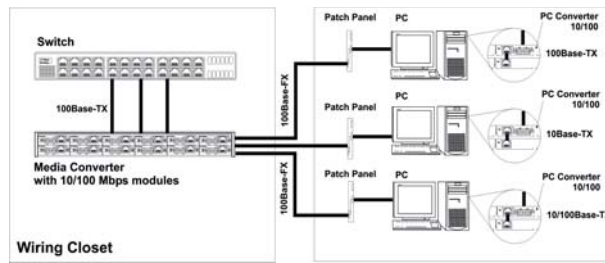


# Product Brief - McPC Series

Ethernet-based, PC Card Media Converters



## CHALLENGE:

For Fiber-to-the-Desktop applications in companies with frequent PC relocations, those requiring highly secure networks or companies short on space and power outlets.

## RESOLUTION:

The McPC series of media converters provide customers with a flexible, secure and transparent plug-and-play solution, eliminating an external footprint and requiring no external power source.

### The McPC PC card media converter series:

- Converts twisted pair to single- or multi-mode fiber
- Easily installs inside a PC or server via a standard PCI or ISA slot without utilizing the PC's Bus
- Space-saving internal design, powered via the PC's internal power supply or SATA adapter
- Requires no drivers as it operates transparent to the PC's operating system
- Features 100, 10/100, 10/100/1000 and 1000 Mbps versions
- Advanced troubleshooting features available on select models
- Utilize network's existing fiber infrastructure without upgrading to fiber NIC's

### McPC PC card media converters are available in a wide variety of configurations, ensuring a solution for all of your connectivity needs.

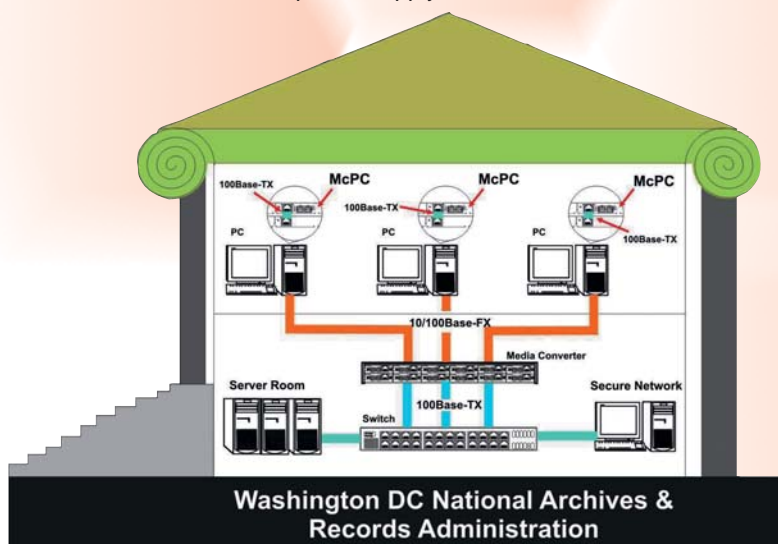
- McPC media converters are available in a variety of models:
  - » 10/100 Mbps Auto Negotiation Modules (**McPC 10/100**)
  - » 100 Mbps Modules (**McPC 100 Mbps**)
  - » 10/100 Mbps Switching Modules (**McPC MediaLinX**)
  - » 10/100/1000 Mbps Switching Modules (**McPC Giga-MediaLinX**)
  - » 1000 Mbps Modules (**McPC Gigabit**)

Detailed comparison of all products on back

Developed by IMC Networks, the McPC copper to fiber PC card media converters are the ideal choice for secure, fiber-to-the-desktop applications. Accommodating situations where space and available external power sources are limited, the McPC series of media converters provide a completely transparent conversion for copper to fiber. Installing into an existing PCI or ISA slot, the McPC utilizes the existing NIC card in your PC without requiring additional drivers, needing administrative access to the O/S or plugging into the computer's Bus. This eliminates potential IRQ and registry conflicts and reduced overall workstation downtime. The McPC draws its power, via the supplied 4-pin peripheral power connector, from the PC's own power supply. All units include status LED's, AutoCross or push-button selectable MDI/MDIX and support Half- and Full-Duplex operation.

### Application Example

In this example, the McPC is being utilized to achieve a secure connection, overcome distance limitations and circumvent any electromagnetic interference, which would slow the networks' performance. For security purposes, the server room would be shielded and all network connections leaving it would be converted to fiber. The small copper connection at the desktop between the McPC and the NIC card is not significant enough to provide an electromagnetic signature that could be read from a malicious source.



**IMC Networks**  
Headquarters  
19772 Pauling  
Foothill Ranch, CA 92610  
TEL: 949-465-3000  
FAX: 949-465-3020  
sales@imcnetworks.com

**IMC Networks**  
Europe  
Herseltsesteenweg 268  
B-3200 Aarschot, Belgium  
TEL: +32-16-550880  
FAX: +32-16-550888  
eurosales@imcnetworks.com

**IMC Networks**  
Eastern US/Latin America  
28050 U.S. Hwy. 19 North, Suite 306  
Clearwater, FL 33761  
TEL: 727-797-0300  
FAX: 727-797-0331  
latinsales@imcnetworks.com

Copyright © 2010 IMC Networks. All rights reserved. The information in this document is subject to change without notice. IMC Networks assumes no responsibility for any errors that may appear in this document. Specific product names may be trademarks or registered trademarks and are the property of their respective companies.



# McPC Cross-Reference

	McPC Series			Rate Changing McPC Series	
	10/100	100 Mbps	Gigabit	MediaLinX	Giga-MediaLinX
Images are representations and may vary according to part number					
<b>Web Address</b>	<a href="http://www.imcnetworks.com/Products/36_McPC_Series.html">www.imcnetworks.com/Products/36_McPC_Series.html</a>				
<b>Form Factor</b>	Internal PC Card			Internal PC Card	
<b>Port Configurations</b>	1 copper / 1 ST or SC fiber*	1 copper / 1 ST or SC fiber*	1 copper / 1 SC fiber*	1 copper / 1 ST or SC fiber	1 copper / 1 SC fiber
<b>Features</b>	Link Fault Detection, Crossover/Pass-Through switch, Auto Negotiation	LinkLoss, FiberAlert, AutoCross, Auto Negotiation	AutoCross, Auto Negotiation	AutoCross, Auto Negotiation	AutoCross, Auto Negotiation
<b>Device Speed</b>	10 Mbps to 10 Mbps or 100 Mbps to 100 Mbps	100 Mbps Copper to 100 Mbps fiber	1000 Mbps Copper to 1000 Mbps fiber	10/100 Mbps Copper to 100 Mbps fiber	10/100/1000 Mbps Copper to 1000 Mbps fiber
<b>Distance</b>	Up to 5 km	Up to 40 km	Up to 80 km	Up to 5 km	Up to 80 km
<b>Form Factor</b>	PCI / ISA	PCI / ISA	PCI	PCI	PCI
<b>Dimensions</b>	3.25" x 3.75"	3.25" x 3.75"	1.75" x 3.25"	1.75" x 3.25"	1.75" x 3.25"
<b>Power Options</b>	Through PC/workstation power supply			Through PC/workstation power supply	

\*Also available with single-strand fiber

## Shared Product Features

- **Plug-and-Play, driver-free install**
- **Includes power connector & ethernet cable**
- **Supports Half- & Full-Duplex operation**
- **AutoCross**
- **Comprehensive 6-year warranty**

Mounts into an open PCI or ISA slot without plugging into the PC's Bus  
 Easily connect the McPC with the supplied 4-pin peripheral power and CAT5 cable  
 Compatible with both Legacy Ethernet and newer networks  
 Features built-in or manual crossover cable select options  
 Covers PC card, power connector and ethernet cable



Making Your Network Better

IMC Networks • 19772 Pauling • Foothill Ranch, CA 92610 • TEL: 949-465-3000 • FAX: 949-465-3020 • sales@imcnetworks.com • www.imcnetworks.com  
 IMC Networks (Eastern US/Latin America) • 28050 U.S. Hwy. 19 North, Suite 306 • Clearwater, FL 33761 • TEL: 727-797-0300 • FAX: 727-797-0331  
 IMC Networks (Europe) • Herseltsesteenweg 268 • B-3200 Aarschot Belgium • TEL: +32-16-550880 • FAX: +32-16-550888 • eurosales@imcnetworks.com