PC Card Ethernet Media Converters

McPC Series 100, 10/100 & Gigabit

McPC Series Media Converters are ideal for Fiber-to-the-Desktop (FTTD) applications and for companies with frequent workstation moves and changes. Installing inside a PC or workstation, and plugging into an adjacent network interface card (NIC), these compact units eliminate the need to place Media Converters on top of desks or computers, reducing clutter of cords and adapters at the workspace.

The McPC series includes:

- 100 Mbps Fast Ethernet (TX/FX) - Designed to connect to NIC cards running at Fast Ethernet speeds
- 10/100 Mbps - A media converter that auto-senses the connected device's rate (10 Mbps or 100 Mbps) and duplex mode (Half-Duplex/Full-Duplex)
- 1000 Mbps Gigabit Ethernet (TX/SX or /LX) - Converts 1000 Mbps over copper to 1000 Mbps over fiber. Ideal for bringing Gigabit speed connectivity to the desktop

McPC converters accommodate crossover or pass through cables, with either a pushbutton MDI/MDIX switch or AutoCross, a feature which automatically selects the correct operating mode. Units also feature handy status LEDS to assist in network diagnostics and troubleshooting. In addition, McPC TX/FX and McPC 10/100 include troubleshooting features that make it easy to isolate fiber breaks.

ACCESSORIES

806-39230 - SATA Cable for McPC

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
McPC TX/FX 100 Mbps ISA					
855-13127	MM1300-ST	1	5 km	1	RJ45
855-13128	MM1300-SC	1	5 km	1	RJ45
855-13328	SM1310/PLUS-SC	1	40 km	1	RJ45
McPC TX/FX 100 Mbps PCI					
855-12127	MM1300-ST	1	5 km	1	RJ45
855-12128	MM1300-SC	1	5 km	1	RJ45
855-12328	SM1310/PLUS-SC	1	40 km	1	RJ45

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
McPC 10/100 Mbps ISA					
855-13260	MM850-ST	1	2 km	1	RJ45
855-13261	MM850-SC	1	2 km	1	RJ45
855-13263	MM1300-SC	1	5 km	1	RJ45
McPC 10/100 Mbps PCI					
855-12260	MM850-ST	1	2 km	1	RJ45
855-12261	MM850-SC	1	2 km	1	RJ45
855-12263	MM1300-SC	1	5 km	1	RJ45

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
McPC-Gigabit 1.25 Gbps PCI					
855-12900	MM850-SC	1	220/550 m	1	RJ45
855-12901	SM1310-SC	1	15 km	1	RJ45
855-12902	SM1310/PLUS-SC	1	40 km	1	RJ45
855-12903	SM1550/LONG-SC	1	80 km	1	RJ45
SINGLE-STRAND FIBER*					
855-12904	SSLX-SM1310-SC	1	15 km	1	RJ45
855-12905	SSLX-SM1550-SC	1	15 km	1	RJ45
855-12906	SSLX-SM1310/PLUS-SC	1	40 km	1	RJ45
855-12907	SSLX-SM1550/PLUS-SC	1	40 km	1	RJ45

* These products have single-strand fiber technology. Deploy in pairs or connect another compatible B&B IMC LLC single-strand fiber product.

IN THE FIELD

High Bandwidth for National Archives
Industry: Enterprise IT
Product: Mc PC Multi-mode Fiber Media Converters

www.bb-elec.com/Archives

Carrier data charges may apply.

PC Card Ethernet Media Converters

McPC Series 100, 10/100 & Gigabit

SPECIFICATIONS

TECHNICAL

Save money by keeping existing copper network card (NIC) and converting inside the PC

No drivers to install; McPC mounts inside any PC or workstation with a standard PCI or ISA slot

Includes a standard 4-pin peripheral power connector

AutoCross or push-button selectable MDI/MDIX, depending on the unit

50/125μm or 62.5/125μm multi-mode fiber

Includes status LEDs

RoHS-Compliant

Plug-and-play operation

MCPC 100 MBPS (TXFX)

100 Mbps twisted pair copper to fiber media conversion

IEEE 802.3u 100Base-TX twisted pair

Features LinkLoss and FiberAlert

Features Auto Negotiation

MCPC 10/100 MBPS (TP-TX/FX)

10 Mbps and 100 Mbps to 100 Mbps twisted pair, auto-sensing media conversion

IEEE 802.3 10Base-T twisted pair

IEEE 802.3u 100Base-TX twisted pair

IEEE 802.3u 100Base-FX or SX fiber

Features Auto Negotiation

MCPC GIGABIT

1000 Mbps twisted pair to fiber media conversion

IEEE 802.3ab 1000Base-T twisted pair

IEEE 802.3z 1000Base-LX or SX fiber

Optionally available for single-strand fiber

CONNECTORS

RJ45, ST and SC

Supports Half- and Full-Duplex operation

MECHANICAL

PCI, ISA Slot Configurations

Shipping Weight	0.6 lbs (0.22 kg)

ENVIRONMENTAL

Operating Temperature	+32° to +122° F (0° to +50° C)
Storage Temperature:	-4° to +158° F (-20° to +70° C)
Operating Humidity	5% to 95% (non-condensing)

REGULATORY APPROVALS

FCC Class B

UL/cUL, CSA, CE

MECHANICAL DIAGRAM

Mini-Power Connector

McPC

Male Standard Connector

Female Standard Connector

Cat5 Ethernet Cable Connects to 10/100 Ethernet Card

Standard 10/100 Ethernet Card