

**B&B ELECTRONICS**

Switching 10/100 and 10/100/1000 Mbps PC Card Ethernet Media Converters

McPC MediaLinX Series

PRODUCT FEATURES

- Easily installs inside a desktop PC
- No configuration required, connects to existing NIC card
- No drivers to install
- Available in PCI, ISA, or low profile PCI slot

McPC MediaLinX 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 MediaLinX series includes:

- 10/100 Mbps Switching Ethernet (MediaLinX)
 - A rate converter as well as a media converter, the McPC MediaLinX converts 10 or 100 Mbps over copper to 100 Mbps over fiber.
- 10/100/1000 Mbps Switching Ethernet (Giga-MediaLinX)
 - A rate converter as well as a media converter, the McPC Giga-MediaLinX converts 10, 100 or 1000 Mbps over copper to 1000 Mbps over fiber.

McPC converters accommodate crossover or pass through connections, with AutoCross, a feature which automatically selects the correct operating mode. Units also feature handy status LEDs to assist in network diagnostics and troubleshooting.

ACCESSORIES

806-39230 - SATA Cable for McPC

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
McPC MediaLinX PCI					
855-12731	MM850-SC	1	2 km	1	RJ45
855-12732	MM850-SC	1	2 km	1	RJ45
855-12733	MM1300-SC	1	5 km	1	RJ45
855-12735	SM1310/PLUS-SC	1	40 km	1	RJ45
McPC MediaLinX LowPCI					
855-15733	MM1300-ST	1	5 km	1	RJ45

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
McPC Giga-MediaLinX PCI					
855-12920	MM850-SC	1	220/550 m	1	RJ45
855-12921	SM1300-SC	1	15 km	1	RJ45
855-12922	SM1310/PLUS-SC	1	40 km	1	RJ45
855-12924	SM1550/LONG-SC	1	80 km	1	RJ45
SINGLE-STRAND FIBER*					
855-12927	SSLX-SM1310-SC	1	15 km	1	RJ45
855-12928	SSLX-SM1550-SC	1	15 km	1	RJ45
855-12929	SSLX-SM1310/PLUS-SC	1	40 km	1	RJ45
855-12930	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.

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
McPC Giga-MediaLinX LowPCI					
855-15919	SFP	1	Various	1	RJ45
855-15920	MM850-SC	1	220/550 m	1	RJ45
855-15921	SM1310-SC	1	15 km	1	RJ45

* SFP Fiber sold separately



IN THE FIELD

Tight Security: U.S. Joint Forces Command

Industry: Security
Product: McPC TP-TX/FX Multi-Mode Fiber Media Converter



www.bb-elec.com/
USJFC

Carrier data charges
may apply.

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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 LowPCI slot

Includes a standard 4-pin peripheral power connector

AutoCross

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

Includes status LEDs

RoHS Compliant

MCPC MEDIALINX

10 Mbps to 10 Mbps, 100 Mbps to 100 Mbps twisted pair to fiber media conversion

IEEE 802.3 10Base-T twisted pair

IEEE 802.3 10Base-FL fiber

IEEE 802.3u 100Base-TX twisted pair

IEEE 802.3u 100Base-FX or SX fiber

Features Link Fault Detection

Features Auto Negotiation

MCPC GIGA-MEDIALINX

10/100/1000 Mbps twisted pair copper to 1000 Mbps fiber conversion

IEEE 802.3 10Base-T twisted pair

IEEE 802.3u 100Base-TX twisted pair

IEEE 802.3ab 1000Base-T twisted pair

IEEE 802.3z 1000Base-LX or SX fiber

Features Link Fault Detection

Features Auto Negotiation

CONNECTORS

RJ45, ST, SC and SFP (SFP only on McPC-Giga-MediaLinX LowPCI)

Supports Half- and Full-Duplex operation

MECHANICAL

PCI and LowPCI 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

