

# Multi-Port, 10/100 Mbps Switching Standalone Media Converter

AccessConverter series

B+B SMARTWORX

Powered by

ADVANTECH

[www.advantech-bb.com](http://www.advantech-bb.com)



## PRODUCT FEATURES

- Low cost, high flexibility – same small unit performs media conversion and switching functions
- External AC power adapter included
- Compact size allows for flexible installation configurations
- Unmanaged, plug-and-play 10/100 copper to 100Mbps fiber

Terminating a fiber run while using various local, copper-based devices such as PCs, printers, VoIP, etc. is essential for the success of Fiber-to-the-Business, Curb and other FTTx projects. Remote locations have similar configuration demands. Connecting the multiple copper devices to the fiber, however, typically requires the use of both a media converter and a switch – meaning two pieces of equipment to purchase and two pieces of equipment to monitor and maintain. The AccessConverter provides (3) 10/100Mbps copper ports and (1) 100Mbps fiber port for various fiber types.

Best of all, one compact AccessConverter module reduces the amount of required equipment while providing all the features of a switch (store and forward switching mechanics, MAC address learning, protection against broadcast storms, flow control, etc.) and performing the electrical-to-optical conversion. In addition, the unit's small size and wall-mount bracket (included) allow you to install AccessConverter virtually anywhere, including inside a network interface device (NID).

## ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
<b>AccessConverter</b>					
852-10150	MM850-ST	1	2 km	3	RJ45
852-10151	MM850-SC	1	2 km	3	RJ45
852-10141	MM1300-ST	1	5 km	3	RJ45
852-10142	MM1300-SC	1	5 km	3	RJ45
852-10143	SM1310/PLUS-ST	1	40 km	3	RJ45
852-10144	SM1310/PLUS-SC	1	40 km	3	RJ45

All product specifications are subject to change without notice.  
AccessConverter\_4517ds

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## SPECIFICATIONS

TECHNICAL	
Auto Negotiation of speed and duplex (HDX/FDX) on copper ports	
Layer 2 packet switching, store and forward operation	
Forwarding Rate: 14,881pps for 10 Mbps; 148,810pps for 100 Mbps	
1024 MAC address learning	
MTU: Supports over-sized packets up to 1536 bytes	
Full-wire speed on all ports	
Broadcast storm protection	
AutoCross for MDI/MDIX	
LinkLoss and FiberAlert	
Auto Negotiation	
Diagnostic LEDs	
50/125µm or 62.5/125µm multi-mode fiber	
9/125µm single-mode fiber	
Single-strand fiber	
All copper version also available (TX/3 + TX)	
IEEE 802.3 10Base-T	
IEEE 802.3u 100Base-TX	
IEEE 802.3u 100Base-FX	
IEEE 802.3x Flow Control	
CONNECTORS	
RJ45, ST, SC	
Supports half-duplex and full-duplex operation	

MECHANICAL	
Dimensions	2.34H x 8.89W x 11.13D cm (0.92H x 3.50W x 4.38D in)
Shipping Weight	0.50 kg (1.1 lb)
POWER RATING	
5V DC, 1A	
ENVIRONMENTAL	
Operating Temperature	0 to +50 °C (+32 to +122 °F)
Storage Temperature	-25 to +70 °C (-13 to +158 °F)
Operating Humidity	5 to 95% (non-condensing)
REGULATORY APPROVALS	
FCC Class B	
UL/cUL, CSA, CE	

## MECHANICAL DIAGRAM

Units = inches

