

AT-MC102XLPCI

FAST ETHERNET MEDIA CONVERTER — PCI-BASED

The Allied Telesis AT-MC102XLPCI TX to FX Fast Ethernet media converter features multi-mode SC fiber connectors with a PCI bus.

Fiber Connections

The Allied Telesis range of Fast Ethernet media converters provides a complete family of conversion devices, allowing users to extend the size of UTP networks with the use of fiber cabling, supporting SC fiber connectors. These converters can be used to extend networks with up to 2 km of multi-mode fiber.

Simple Installation

All Allied Telesis PCI media converters feature auto MDI/MDI-X, allowing the

converter to be connected to either a PC, hub or switch with a simple UTP cable. The media converters also allow the installer to test the integrity of fiber connections, by forcing the converters to communicate over the fiber cable. This "link test" feature allows installers to check for cable faults without the need for expensive fiber optic test equipment.

Hassle-Free Support

Allied Telesis Fast Ethernet media converters include free technical support, ensuring trouble-free installation.



Key Features

- » Half and full-duplex operation
- » Transparent to IEEE 802.1Q packets
- » Jumbo packets
- » Auto MDI/MDI-X
- » Link test
- » RoHS compliant
- » PCI bus
- » Half- and full-height brackets included (half-height attached)

MODEL	PORT TYPE (CONNECTOR)	CABLE DISTANCE	OPTICAL FREQUENCY	LAUNCH POWER (dBm)			RECEIVE POWER (dBm)		
				MAXIMUM	AVERAGE	MINIMUM	MINIMUM SENSITIVITY	TYPICAL SENSITIVITY	SATURATION
AT-MC102XLPCI	100FX MMF (2 km)	2 km	1310 nm	-14.0	-16.8	-19.0	-31.8	-34.5	-14.0

Specifications

Status Indicators

One per port	
Link/Activity	Transmit
	Receive

Jumpers

A/N	Enable auto-negotiation
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Packet Transmission Characteristics

Propagation delay	0.4 μ s maximum
Bit Error Rate (BER)	<10 ⁻¹²

Twisted Pair Interface

	Min.	Typical	Max.
UTP differential			
Output voltage	950mv	980mv	1050mv
Overshoot voltage		4%	5%
Single amplitude			
Symmetry	0.98	1.0062	1.02
Rise and fall time			
Rise	3.0 ns	4.6 ns	5.0 ns
Fall	3.0 ns	4.2 ns	5.0 ns
Symmetry	0.4 ns	0.5 ns	

Power Characteristics

Input supply voltage	3.3 V
Max current	450mA
Power consumption	1.5 Watts
Power is taken directly from the PCI bus — no other cables needed.	

Environmental

Operating temperature	0°C to 40°C (32°F to 105°F)
Storage temperature	-20°C to 80°C (-4°F to 176°F)
Relative humidity	5% to 95% non-condensing
Operating altitude	0 to 10,000 ft
RoHS/China RoHS compliant	

Physical Characteristics

Dimensions (W x H)	12.5 cm x 6.4 cm
	4.9 in x 2.5 in
Weight	62 g / 2.2 oz

Approvals

EMC	FCC Class B
Safety compliant	UL-Cul, CSA/CSA, NRTL, TUV, CE compliant

Ordering Information

AT-MC102XLPCI

UTP to multi-mode SC (2 km) fiber, PCI bus