

MCIIx Series Fast Ethernet Media Converters

AT-MCI15XL

10/100TX to 10FL/100SX 850nm fiber ST media converter

AT-MCI16XL

10/100TX to 10FL/100SX 850nm fiber SC media converter

Fiber Connections

The Allied Telesis range of 850nm fiber Fast Ethernet media converters allows users to extend the size of UTP networks with the use of fiber cabling. Converting between 10T and 10FL or 100TX and 100SX fiber quickly and reliably, the AT-MC115XL and AT-MC116XL address the growing demand for a low-cost solution for fiber installations of up to 300 meters for 100SX and up to 2km for 10FL.To maximize flexibility, the converters are available in ST (AT-MC115XL) and SC (AT-MC116XL) fiber connector styles.

Auto-Negotiation

The AT-MC115XL and AT-MC116XL autonegotiate during the link-up phase of the connection to set the speed (10/100) and operation mode (full or half-duplex). When connecting media converters to autonegotiating Fast Ethernet switches, these media converters will automatically connect the link in either full or half-duplex mode, allowing the link to be established with the greatest bandwidth.

MissingLink™

The MissingLink feature allows accurate reporting to network management systems as well as allowing devices with redundant link capability to be inter-connected with these media converters, failure in one fiber link will be signalled to the switch, allowing the second link to become active.

Simple Installation

All the media converters with a UTP connection feature an internal MDI/MDI-X switch, 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 connection, 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.

Standalone or Rack-mountable

Each media converter is powered by an external power supply unit for use in standalone applications. Where multiple media converters are being used, up to 12 devices can be inserted into a low-cost rack-mount chassis, allowing all the converters to be powered by a single internal power supply. In critical applications, a second load sharing internal power supply can be installed into the rack-mount chassis.



Key Features

- EnergyStar power adapters save customers a minimum of 20% power consumption*
- I0/I00TX copper port
- I0/I00SX fiber port
- Half and full-duplex operation
- Transparent to IEEE 802.1Q packets
- Rack-mountable using optional AT-MCR12, AT-TRAY4 or AT-TRAY1 chassis
- MDI/MDI-X
- MissingLink
- Link test
- Auto-negotiation
- Wall-mountable using optional AT-WLMT bracket



Powered by an ENERGY STAR® qualified adapter for a better environment

* Compared to previous models

Technical Specifications Status Indicators Power Indicates power is applied to the converter Normal Indicates converter is operating in normal mode Recieve Indicates port receiving or transmitting data 10 Indicates link established at 10Mbps 10 Indicates link established at 100Mbps 10 Indicates link established at 100Mbps				Power Charace External power supply Input supply voltage Max current Power consumption Environmenta Operating temp. Storage temp. Relative humidity Operating altitude		AT-MCI 10/100TX fiber conn AT-MCI	I6×L-XX to I0FL/100SX 850nm media converter with SC nectors
UTP Differential T			Max. 1050mv	Electrical/Med EMC Safety	chanical Approvals FCC Class A, FCC Class B UL-Cul, CSA/CSA, NRTL, TUV, CE compliant	AT-MCR	iated Products R12-xx ower distribution chassis
	ge Typical 4%		Max. 5%		CE compnant	AT-TRA 19-inch ra converters	ack-mount chassis for up to four media
	e Symmetry Typical 1.0062	, Min. 0.98	Max. 1.02			AT-TRA 19-inch ra AT-WLN	ack-mount chassis for one media converter
Rise 4	ne Typical 1.6ns 1.2ns	Min. 3.Ons 3.Ons	Max. 5.Ons 5.Ons				nt bracket for one media converter
	ne Symmet Iypical).4ns	ry	Max. 0.5ns				
Wavelength 8 Transmit power - Receive sensitivity	ce Parar Typical 350nm 12 dBm 11.7dbm	neters Min. -15dBm -34.4dBm	Max. -10dBm -7.6dBm				

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