AT-MC101XL & AT-MC102XL

Fast Ethernet Media Converters

AT-MC101XL-xx
TX to FX media converter with ST fiber connectors

AT-MC102XL-xx
TX to FX media converter with SC fiber connectors

FIBER CONNECTIONS
Providing a complete family of conversion devices, Allied Telesyn’s Ethernet media converters enable service providers to use fiber cabling to extend the size of UTP networks. Supporting both SC and ST fiber connectors, these converters can be used to extend networks with up to 2km of fiber.

AUTO-NEGOTIATION & MISSINGLINK™
When connected to auto-negotiating Fast Ethernet switches, these media converters connect the link in either Ethernet full- or half-duplex mode, thereby establishing a link with the greatest-possible bandwidth.

The MissingLink™ feature allows the ports on the media converter to convey the status of their links. When the media converter detects a problem with a port—such as the loss of connection to a node—it shuts down the connection, thereby notifying the node that the connection has been lost. The value of this network monitoring and fault notification is that some hubs and switches are configured to take action in the event of the loss of connection on a port. In some cases, the unit is configured either to seek a redundant path or alert the network administrator of the problem.

SIMPLE INSTALLATION
Both media converters feature an internal MDI/MDIX switch, enabling the converter to connect to a PC, hub, or switch with a simple UTP cable. The media converters can also test the integrity of connections by forcing data across the fiber cable—enabling installers to check for cable faults without the need for expensive fiber-optic test equipment.

STAND-ALONE OR RACK-MOUNTED
Every small media converter is powered by an external power supply unit for use in stand-alone applications. When multiple media converters are in use, a low cost rack-mount chassis can accommodate up to 12 stand-alone devices, enabling a single internal power supply to power all the converters. In critical applications, the rack-mount chassis can accommodate a second load-sharing internal power supply.

HASSLE FREE SUPPORT
Allied Telesyn Fast Ethernet media converters come with a lifetime warranty and free technical support, ensuring trouble-free installation.

KEY FEATURES
• Half- & Full-Duplex operation
• Transparent to 802.1Q packets
• Rack-mountable using optional AT-MCR12, TRAY4, or TRAY1 chassis
• MDI/MDIX
• MissingLink™
• Link Test
AT-MC101XL & AT-MC102XL

Fast Ethernet Media Converters

STATUS INDICATORS
Front Panel:
- Power: Indicates power is applied to the converter
- Link (2): Indicates a valid receive link exists
- Receive (2): Indicates converter is receiving valid data
- Normal/Test: Fiber test or normal operation

POWER CHARACTERISTICS
- External Power Supply: 100-240VAC, 50/60Hz +/- 3%
- Input Supply Voltage: 12VDC +/- 5%
- Max Current: 0.5A
- Power Consumption: 6W

ENVIRONMENTAL SPECIFICATIONS
- Operating Temp.: 0°C to 40°C
- Storage Temp.: -20°C to 80°C
- Relative Humidity: 5% to 95% non-condensing
- Operating Altitude: 0 to 10,000 feet

PHYSICAL CHARACTERISTICS
- Dimensions: 100.5cm x 9.5cm x 2.5cm (4.12” x 3.75” x 1.0”)
- Weight: 294g (10.4oz)

ELECTRICAL/MECHANICAL APPROVALS
- EMC: FCC Class A
- Safety: UL-Cul, CSA/CSA, NRTL, TUV, CE compliant

ORDERING INFORMATION
- AT-MC101XL-xx
  TX to FX media converter with ST fiber connectors
- AT-MC102XL-xx
  TX to FX media converter with SC fiber connectors

Where xx = 10 AC Power supply, US power cord
= 20 AC Power supply, European power cord
= 30 AC Power supply, UK power cord
= 40 AC Power supply, Australian power cord

ABOUT ALLIED TELESYN
Allied Telesyn was founded in 1987 with the goal of producing reliable, standards-based networking products. Focused on Ethernet/IP solutions geared to applications, Allied Telesyn offers access-edge products like switches, fiber/copper MAPs, and CPE. We’re also a leading global manufacturer of media converters, unmanaged switches, and NICs. Our customer-driven approach has made Allied Telesyn the ideal choice for IT professionals looking for high-quality, feature-rich network solutions at a lower price. Allied Telesyn – It’s Our Network, Too.

www.alliedtelesyn.com