

# OM101-AUI

Fiber Optic Ethernet Media Converter  
10BASE-AUI (MAU) to 100BASE-FX

## Applications

- Secure data environments
- Noisy RFI environments - factory floor
- Connection of legacy 10 Mbps devices



## Description

The OM101-AUI media converter connects a 10BASE-AUI (DTE) device to 100BASE-FX device. This allows a legacy 10 Mbps device to connect to a 100 Mbps LAN switch over a pair of optical fibers. The AUI port operates at 10 Mbps half-duplex. The 100BASE-FX port operates at 100 Mbps full-duplex. The OM101-AUI is available with ST or SC connectors; and for singlemode or multi-mode fiber.

## Features:

- |                                   |  |
|-----------------------------------|--|
| 802.3 MAU compatible              | ST or SC connector option              |
| Five LED status indicators        | 5 year warranty                        |
| Single or multi-mode fiber option | Wide temperature range (-40°C to 75°C) |

## Specifications

### Optical

Light source .....	1300 nm LED MM (standard) 1300 nm LASER SM (optional)
Optical output (62.5/125 fiber) M, MM version .....	-19 dBm min.
Optical output (9/125 fiber) SM version .....	-18 dBm min.
Optical sensitivity (10 <sup>-10</sup> BER) .....	-32.5 dBm
Optical connectors .....	SC or ST

### Electrical

Data I/O levels .....	IEEE 802.3 MAU compatible
Data I/O connector .....	DB-15M
Power consumption .....	2.6 Watts

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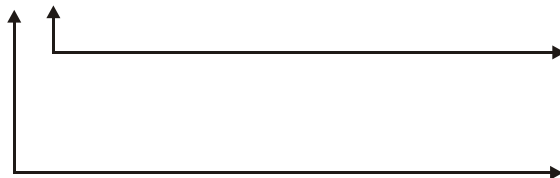
## Specifications (continued)

### General

Operating temperature.....	-40°C to 75°C
Humidity (RH) .....	10% to 95%
MTBF .....	> 50,000 hours
Dimensions .....	6.5 x 1.8 x 10 cm

## Part Numbers

OM101-AUI - XX-YY



ST = ST optical connector

SC = SC optical connector

MM = 1300 multimode optics

SM = 1300 singlemode optics