

# Desktop Mini Media Converter, 1000TX to 1000SX SC Connector



## DESCRIPTION

### DMC Series

#### Gigabit Desktop USB-Powered Media Converters

The Allied Telesis DMC Series of Gigabit mini media converters are among the smallest media converters in the market today.

#### Overview

At just 1.25 inches wide × 3.6 inches deep × 0.85 inches high, Allied Telesis DMC Series media converters can easily fit into the palm of a hand. In addition to being compact with a small carbon footprint, the DMC Series can also be powered with the included Micro USB to USB cable, and plugged directly into a laptop or PC or may also be powered via the optional AC/DC adapter. This saves installation time and cabling as there are no further power requirements.

#### Fiber Connections

The Allied Telesis range of Gigabit 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, ST and LC fiber connectors, these converters can be used to extend networks with up to 500m of multi-mode fiber.

#### VLAN Support

Many new backbone switch products now support the industry-standard IEEE 802.1Q specification for Virtual LANs (VLANs) that send data packets on the network. DMC Series media converters are fully compatible with

#### Smart MissingLink (SML)

The Smart MissingLink (SML) feature monitors network connections and provides notification when network segments fail, allowing network managers to quickly identify the source and location of failed segments and minimize downtime.

#### Simple Installation

All Allied Telesis 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 the 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.

#### Smart Link Restoration

Smart Link Restoration allows the devices, in cases of power failure, link loss or other interrupted service, to automatically restore the link without the need to restart/reset them.

### Power Saving

The DMC Series continues the Allied Telesis commitment to the environment with over 50% power savings. With just 1.5W of power usage, DMC Series media converters are some of the most efficient in the market today. these packets, enabling them to be used in modern networks.

## TECHNICAL CHARACTERISTICS

Brand : ALLIED TELESIS

Part number : AT-DMC1000/SC-50

### Réseau :

Auto MDI/MDI-X : Y

AC adapter included : Y

Cable types supported : Fiber

Converter input interface : 1000Base-T

Converter output interface : 1000Base-SX

DC-in jack : Y

Depth : 91.4 mm

Duplex system : Full, Half

Ethernet LAN data rates : 1000 Mbit/s

Fiber mode structure : Multi-mode

Fiber optic connector : SC

Harmonized System (HS) code : 85176990

Height : 21.6 mm

Internal : N

Maximum data transfer rate : 1000 Mbit/s

Maximum transfer distance : 550 m

Operating altitude : 0 - 3048 m

Operating relative humidity (H-H) : 5 - 95%

Operating temperature (T-T) : 0 - 40 °C

Packet forwarding rate (1 Gbps) : 14880 pps

Packet forwarding rate (10 Mbps) : 1488000 pps

Packet forwarding rate (100 Mbps) : 148800 pps

Rate limiting : Y

Storage relative humidity (H-H) : 5 - 95%

Storage temperature (T-T) : -15 - 65 °C

Wavelength : 850 nm

Weight : 113.39 g

Width : 31.8 mm