D-TECH Fiber Media Converter SM 10/100Mbps

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Variants

MC 1*RJ to SC SX 20km MC 1*RJ to SC Sx 40km

Details

The **D-TECH 10/100M Fiber Media Converter** is a reliable Fast Ethernet converter designed to extend 10/100Mbps Ethernet networks over fiber optic cable. Supporting transmission distances from **0 to 80 km** (typical **20 km**), it provides stable and interference-free communication for FTTH, ISP, telecom, enterprise, industrial, and CCTV applications.

By converting electrical Ethernet signals to optical signals, the media converter enables long-distance networking while protecting against electromagnetic interference (EMI), ensuring stable and secure data transmission.

Ethernet Speed	**10/100 Mbps**
Transmission	

Up to 20 km

Fiber Connector

SC/UPC

Installation

Plug & Play

Key Features

? Supports 10/100 Mbps Fast Ethernet

? Long-Distance Fiber Transmission up to 20 km (0–80 km options available)

? Single Mode & Multimode Fiber Support

? SC/UPC Optical Interface

? Immune to Electromagnetic Interference (EMI)

? LED Status Indicators for Easy Monitoring

? Compact Plug-and-Play Design

? Supports Desktop, Wall & Rack Installation

Technical Specifications

Category	Specification

Product Type	10/100M Fiber Media Converter
Ethernet Port	1 × RJ45, 10/100 Mbps, Half/Full Duplex, IEEE 802.3
Fiber Port	SC/UPC Connector
Fiber Type	Single Mode / Multimode Fiber
Transmission Distance	0 – 80 km (Typical Model: 20 km)
Operating Wavelength	1310 / 1550 nm
Power Input	AC 100–240V / DC 12–48V (Optional)
Power Output	DC 5V / 2A
Power Consumption	? 5W
Operating Temperature	-20°C to +70°C
Storage Temperature	-10°C to +85°C
Humidity	0% – 95% RH (Non-condensing)

Applications

- FTTH Networks
- ISP Infrastructure
- Telecommunication Networks
- Enterprise Networks

Industrial Ethernet

CCTV Surveillance Systems

Campus & Office Networking

Long-Distance Fiber Extension

Available Variants:

? 10/100M Media Converter 2 km
? 10/100M Media Converter 10 km
? 10/100M Media Converter 20 km
? 10/100M Media Converter 40 km
? 10/100M Media Converter 60 km
? 10/100M Media Converter 80 km

Please select the required transmission distance before ordering.

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