Media Converter AC Port

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Variants

DTMC-200 1G RJ45 -1 Port

Details

The **DTMC-200 Gigabit Ethernet Media Converter** is a reliable and high-performance networking solution designed to convert Gigabit Ethernet signals into optical fiber transmission for long-distance communication. It is ideal for **ISP, FTTH, enterprise LAN, campus networks, CCTV systems, telecom infrastructure, and industrial networking**.

Supporting **10/100/1000Mbps auto-negotiation**, IEEE networking standards, plug-and-play installation, and both **single-mode and multi-mode fiber**, the DTMC-200 ensures stable, secure, and efficient network expansion with minimal configuration.

Ethernet Speed **10/100/1000M**
Fiber Port

SC / SFP

Transmission

Up to 100KM

Installation

Plug & Play

Key Features

? Supports 10/100/1000Mbps Gigabit Ethernet

? Converts Ethernet to Optical Fiber Transmission

? Supports Single-Mode & Multi-Mode Fiber

? Auto-Negotiation RJ45 Port

? Plug & Play Installation

? IEEE 802.3x Flow Control

? Supports Link Alarm Function

? Low Maintenance & Stable Network Performance

Technical Specifications

Category	Specification

Model	DTMC-200
Product Type	Gigabit Ethernet Media Converter
Application	Ethernet to Fiber Conversion (ISP, FTTH, LAN, Campus Networks)
Ethernet Port	1 × RJ45 (10/100/1000 Mbps Auto-Negotiation)
Fiber Port	1 × SC / SFP (1000 Mbps)
Supported Standards	IEEE 802.3ab (1000Base-T), IEEE 802.3z (1000Base-SX/LX)
Fiber Type	Single Mode / Multi Mode Fiber
Wavelength Options	850nm / 1310nm / 1550nm
Transmission Distance	MM: 220m / 550m ｜ SM: 10km – 100km
Duplex Mode	Full Duplex / Half Duplex
Flow Control	IEEE 802.3x (Full Duplex), Backpressure (Half Duplex)
Maximum Packet Size	1600 Bytes
MDI / MDIX	Auto-Crossover Supported
Installation	Plug & Play
Link Alarm	Supported
LED Indicators	Power, FDX, FX, Link/ACT, 1000, 100
RJ45 Cable	Cat5 / Cat5e UTP (Maximum 100m)

Fiber Compatibility	MM: 50/125µm, 62.5/125µm | SM: 9/125µm
Power Supply	External AC Power Adapter
Power Options	Internal / External Supported
Compliance	FCC Class A, CE
Safety	Commercial Environment Certified

Applications

- ISP Fiber Networks
- FTTH Broadband Networks
- Enterprise LAN
- Campus Networks
- Telecommunication Infrastructure
- Industrial Ethernet
- CCTV Fiber Transmission
- Long Distance Fiber Extension

Note: Select the appropriate fiber type (Single Mode or Multi Mode), wavelength, transmission distance, and optical interface (SC or SFP) according to your network design requirements. For BiDi models, matched wavelength pairs must be used for proper communication.