

# D-TECH Fiber Media converter Single-Mode 10/100/1000Mbps

---

D-TECH Fiber Media converter Single-Mode 10/100/1000Mbps

## Variants

1\*RJ to SC Simplex 20km DC 1\*RJ to SC Simplex 40km DC 1\*RJ to SC Duplex 20km DC 4\*RJ to SC Simplex 20km DC

## Details

### Media Converter Single Fiber 10/100/1000

The MC series media converter is a high-performance Single Fiber 10/100/1000Mbps converter designed for stable and efficient data transmission over long distances up to 20 km. It adopts a store-and-forward architecture with a fanless, low power consumption design, ensuring reliable operation and minimal maintenance.

With features such as broadcast filtering, MAC address auto-learning, automatic updates, and seamless data forwarding, this converter ensures smooth and efficient network performance. Its wide operating temperature range (-20°C to +70°C) makes it suitable for various environments including ISP networks, enterprise LAN, and industrial applications.

Equipped with a 512KB cache and 4K MAC address table, it supports multiple Ethernet standards including 10/100/1000Base-T and fiber conversion, ensuring high-speed and stable communication.

## Technical Specifications

Parameter	Details
Ports	1 × 1000Base-X, 1 × 10/100/1000Base-T
Power Interface	DC Port
LED Indicators	PWR, Link / ACT
Copper Distance	0 – 100 m (CAT5e / CAT6)
Fiber Distance	3 km / 20 km / 40 km / 60 km / 80 km / 100 km / 120 km

Parameter	Details
Input Voltage	DC 5V
Power Consumption	< 4W
Operating Temperature	-20°C to +70°C
Storage Temperature	-20°C to +70°C
Humidity	5% – 95% (Non-condensing)
Cooling Method	Fanless, Natural Heat Dissipation
MTBF	100,000 Hours
Dimensions	93 x 71 x 27 mm
Installation	Desktop
Weight	0.17 kg
Certification	CE / FCC / RoHS
Accessories	Device, Manual, Power Adapter (EU / US / UK / AU Optional)