

# FAST ETHERNET

# MEDIA CONVERTER



## INTRODUCTION

The Media Converter complies with IEEE802.3, IEEE802.3u, IEEE802.3x Standards. It is designed to convert data signal between 10/100 Base-TX and 100Base-FX fast Ethernet. It supports 10/100Base-TX and 100Base-FX applications. The data signal converted by such high performance media converter can be transmitted up to 80Km maximum by fiber-optical cable.

The Converter is equipped with one fiber optic connector (The same one connector for transmitting-TX and for receiving-RX) and one RJ-45 Jack and one external power supply receptacle. Six LED indicators are built-in for easy diagnosing and monitoring the status of power, Unshielded Twisted Paired (UTP) Link, UTP Activity, Fiber Link, Fiber Activity, Full duplex and data rates. It can be configured automatically for Full Duplex or Half Duplex operation.

It is compact, cost-effective, low dissipative, high reliable and stable. It can be used in standalone applications, or Rack-Mounted applications where multiple media converter can be inserted into a rack-mount chassis (Up 10 units), and allowing all the converters to be powered by a single internal power supply.

## TECHNICAL SPECIFICATIONS

Parameter	Type
Data rate (Mbps)	10/100
Optical wavelength (nm)	1310, 1550
Fiber type( $\mu$ m)	Single mode 9/125. Multimode 50/125
Connector type	SC/PC



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Max distance (km)	2, 20
Power supply	220V AC internal power
Operating temperature	0~70°C
Storage temperature	-40~+80°C
Relative humidity	5% to 90% non condensing

#### ORDERING INFORMATION:

**LZ-MC-SFM2KSCI-D8:** Media converter, 10/100M auto-negotiation, MM, dual fibers, 850nm, 2KM, SC connector, 220VAC internal power supply.

**LZ-MC-SFM2KSCI-D3:** Media converter, 10/100M auto-negotiation, MM, dual fibers, 1310nm, 2KM, SC connector, 220VAC internal power supply.

**LZ-MC-SFS20KSCI-D3:** Media converter, 10/100M auto-negotiation, SM, dual fibers, 1310nm, 20KM, SC connector, 220VAC internal power supply.

**LZ-MC-SFS20KSCI-S35:** Media converter, 10/100M auto-negotiation, SM, single fiber, 1310T/1550R, 20KM, SC connector, 220VAC internal power supply.

**LZ-MC-SFS20KSCI-S53:** Media converter, 10/100M auto-negotiation, SM, single fiber, 1550T/1310R, 20KM, SC connector, 220VAC internal power supply.