



INTRODUCTION

The Media Converter complies with IEEE802.3, IEEE802.3u, IEEE802.3x Standards. It is designed to convert data signal between 10/100/1000Base-T and 10/100/1000Base-SX/LX fast Ethernet. It supports 10/100/1000Base-T and 10/100/1000Base-SX/LX applications. The data signal converted by such high performance media converter can be transmitted up to 120Km maximum by fiber-optical cable.

The Converter is equipped with two fiber optic connectors (One for transmitting-TX and another for receiving-RX) and one port suit for RJ-45 (both parallel and cross RJ-45). 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 16 units), and allowing all the converters to be powered by a single internal power supply.

TECHNICAL SPECIFICATIONS

| Parameter | Type |
|-------------------------|-------------------------------------|
| Data rate (Mbps) | 10/100/1000 |
| Optical wavelength (nm) | 850, 1310, 1550 |
| Fiber type(μ m) | Single mode 9/125. Multimode 50/125 |
| Connector type | SC/PC |



MEDIA CONVERTER

| | |
|-----------------------|-------------------------------|
| Max distance (km) | 0.5, 2, 20 |
| Power supply | 220V AC internal power supply |
| Operating temperature | 0~70°C |
| Storage temperature | -40~+80°C |
| Relative humidity | 5% to 90% non condensing |

ORDERING INFORMATION:

LZ-MC-SGM500MSCI-D: Media converter, 10/100M/1000M auto-negotiation, MM, dual fibers, 850nm, 0.5KM, SC connector, 220VAC internal power supply.

LZ-MC-SGS20KSCI-D: Media converter, 10/100M/1000M auto-negotiation, SM, dual fibers, 1310nm, 20KM, SC connector, 220VAC internal power supply.

LZ-MC-SGS20KSCI-S35: Media converter, 10/100M/1000M auto-negotiation, SM, single fiber, 1310T/1550R, 20KM, SC connector, 220VAC internal power supply.

LZ-MC-SGS20KSCI-S53: Media converter, 10/100M/1000M auto-negotiation, SM, single fiber, 1550T/1310R, 20KM, SC connector, 220VAC internal power supply.