



### Key Features

- ✚ 100BASE-FX FIBER to 10/100BASE-T COPPER Ethernet conversion
- ✚ Auto-MDI/MDIX copper RJ45 port
- ✚ 1600byte super data packet transmission
- ✚ Full duplex-flow control, half duplex-back pressure
- ✚ Link fault pass through (LFPT)
- ✚ Full- positioned LEDs to indicate power and network status



### Introduction



The EM-100 series of Ethernet media converters with external power supply are 10/100Mbps auto-sensing and utilize fiber optics to extend the physical distance range of typical Ethernet links (100m) to 5Km max. on MMF and 100Km max. on SMF.

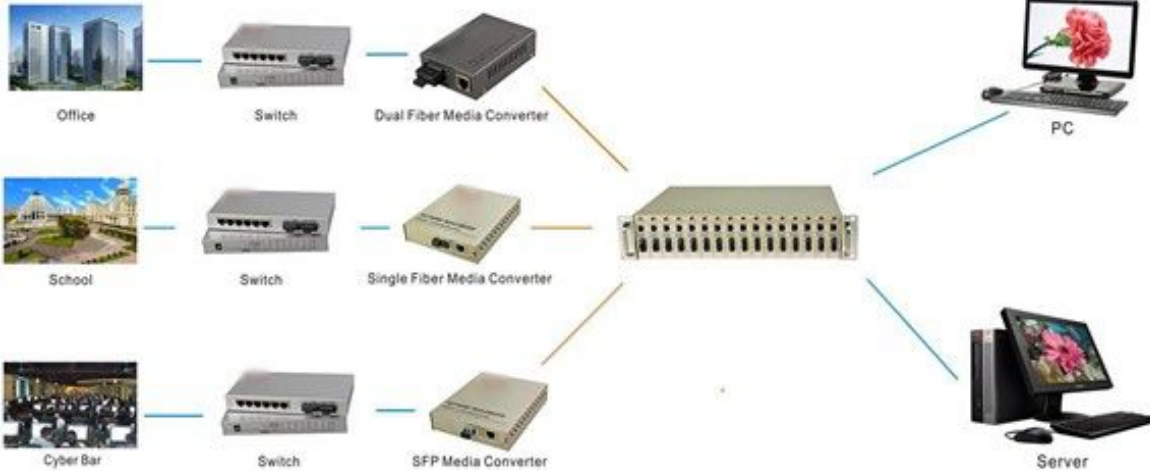
### Specification

<b>Standard</b>	IEEE802.3 (10BASE-T), IEEE802.3u 100BASE-TX/FX (Fast-Ethernet), IEEE802.3x (Flow Control), IEEE802.1q, IEEE802.1p QoS, IEEE802.1d Spanning Tree
<b>10/100BASE-T</b>	STP or UTP Category 5/5e/6 cable (Max. 100m)
<b>100BASE-FX</b>	50/125um fiber cable (5km), 62.5/125um multimode fiber cable (2km) 9/125um single mode fiber cable (20/40/60/80/100km)
<b>Conversion Mode / Delay Time</b>	Store-and-Forward < 10us, straight-through<0.9us
<b>Flow control</b>	Full duplex-flow control, Half duplex-back pressure
<b>RJ-45 Port</b>	Auto-MDI/MDIX
<b>Fiber Connector</b>	SC standard, ST/FC optional
<b>Wavelength</b>	1310/1550nm
<b>Dimensions</b>	70mm(W) x 93mm(D) x 25mm(H)
<b>Weight</b>	Net weight : 0.16kg; Gross weight : 0.42kg
<b>Input Voltage</b>	DC 5V1A with External power adapter
<b>Power Consumption</b>	<2.5W
<b>MTBF</b>	50,000 hours
<b>BER</b>	<1/1000000000
<b>MAC Address Table</b>	1K
<b>Buffer Size</b>	1M
<b>Operating Temperature</b>	0°C~50°C
<b>Storage Temperature</b>	-40°C~70°C
<b>Storage Humidity</b>	5%~90% non-condescending

# Fiber Media Converter EM-100-S20

## Application

-  Telecommunication Networks
-  Schools, Offices, Cyber Bars



## Ordering Details

<b>EM-100-M2</b>	10/100M, Standalone, dual fiber, multimode, SC, 2km, external power supply
<b>EM-100-S20</b>	10/100M, Standalone, dual fiber, single mode, SC, 20km, external power supply
<b>EM-100-S40</b>	10/100M, Standalone, dual fiber, single mode, SC, 40km, external power supply
<b>EM-100-S60</b>	10/100M, Standalone, dual fiber, single mode, SC, 60km, external power supply
<b>EM-100-S80</b>	10/100M, Standalone, dual fiber, single mode, SC, 80km, external power supply
<b>EM-100-S100</b>	10/100M, Standalone, dual fiber, single mode, SC, 100km, external power supply

\*Above listed are most frequently ordered items. Please contact us for other configurations.

### Item Number Code Explain:

XX- XXXX-XX XX

