



### Fiber Media Converter EM-1100-S20

10/100/1000M, Dual Fiber, External Power Supply

Fiber Media Converter

#### Key Features

- 10/100/1000Mbps autosensing, auto-MDI/MDIX
- 1600byte super data packet transmission
- Full duplex-flow control, Half duplex-back pressure
- Full- positioned LEDs to indicate power and network status



#### Introduction



The EM-1100 series, the 1000M media converter with external power supply, 10/100/1000Mbps auto-sensing and utilize fiber optics to extend the physical distance range of typical Ethernet links (100m) to 0.5Km max. on MMF and 120Km max. on SMF.

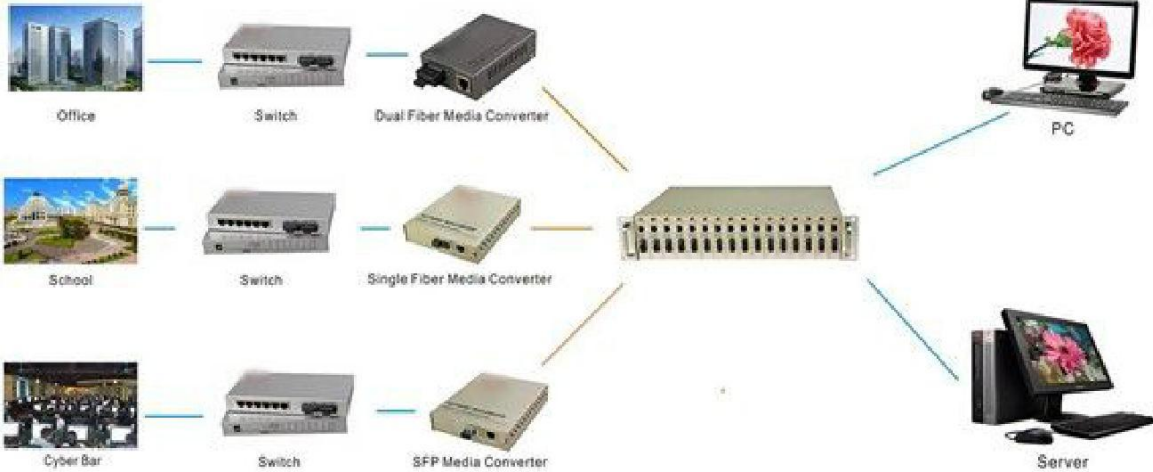
#### Specification

<b>Standard</b>	IEEE802.3 (10BASE-T), IEEE802.3u 100BASE-TX/FX (Fast-Ethernet), IEEE802.3z 1000BASE-SX/LX(Gigabit-Ethernet), IEEE802.3x (Flow Control), IEEE802.1q, IEEE802.1p QoS, IEEE802.1d Spanning Tree
<b>10/100/1000BASE-T</b>	STP or UTP Category 5/5e/6 cable (Max. 100m)
<b>1000BASE-FX</b>	50/125um multi mode fiber cable (1km), 62.5/125um multimode fiber cable (0.5km) 9/125um single mode fiber cable (20/40/60/80/100/120km)
<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-1100-S20

## Application

-  Telecommunication Networks
-  Schools, offices, Cyber bars



## Ordering Details

<b>EM-1100-M05</b>	10/100/1000M, Standalone, dual fiber, multimode, SC, 0.5km, external power supply
<b>EM-1100-M2</b>	10/100/1000M, Standalone, dual fiber, multimode, SC, 2km, external power supply
<b>EM-1100-S10</b>	10/100/1000M, Standalone, dual fiber, single mode, SC, 10km, external power supply
<b>EM-1100-S20</b>	10/100/1000M, Standalone, dual fiber, single mode, SC, 20km, external power supply
<b>EM-1100-S40</b>	10/100/1000M, Standalone, dual fiber, single mode, SC, 40km, external power supply
<b>EM-1100-S60</b>	10/100/1000M, Standalone, dual fiber, single mode, SC- 60km, external power supply
<b>EM-1100-S80</b>	10/100/1000M, Standalone, dual fiber, single mode, SC- 80km, external power supply
<b>EM-1100-S100</b>	10/100/1000M, Standalone, dual fiber, single mode, SC, 100km, external power supply
<b>EM-1100-S120</b>	10/100/1000M, Standalone, dual fiber, single mode, SC, 120km, external power supply

\*Above listed are most frequently ordered items. Please contact us for other configurations.  
**Item Number Code Explain:**

XX- XXXX-XX XX

**Distance:**

2km, 20km, 40km, 80km, 100km

**Fiber Type:**

M-Multi mode, BS- Bidi SM Single fiber, S- SM Dual fiber

**Transmission rate:**

100-10/100M, 1000-1000M, 1100-10/100/1000M

**Product Type:**

EM-Media converter