



## Fiber Media Converter EM-1100-BS20

10/100/1000M, Single Fiber, SC, External Power Supply

Fiber Media Converter

### Key Features

- ✚ Wavelength Division Multiplexing (WDM), Tx and Rx on 1 fiber
- ✚ 1000BASE-FX FIBER to 10/100/1000BASE-T COPPER Ethernet conversion
- ✚ 1600byte super data packet transmission
- ✚ Full duplex-flow control, Half duplex-back pressure
- ✚ Link fault pass through (LFPT)



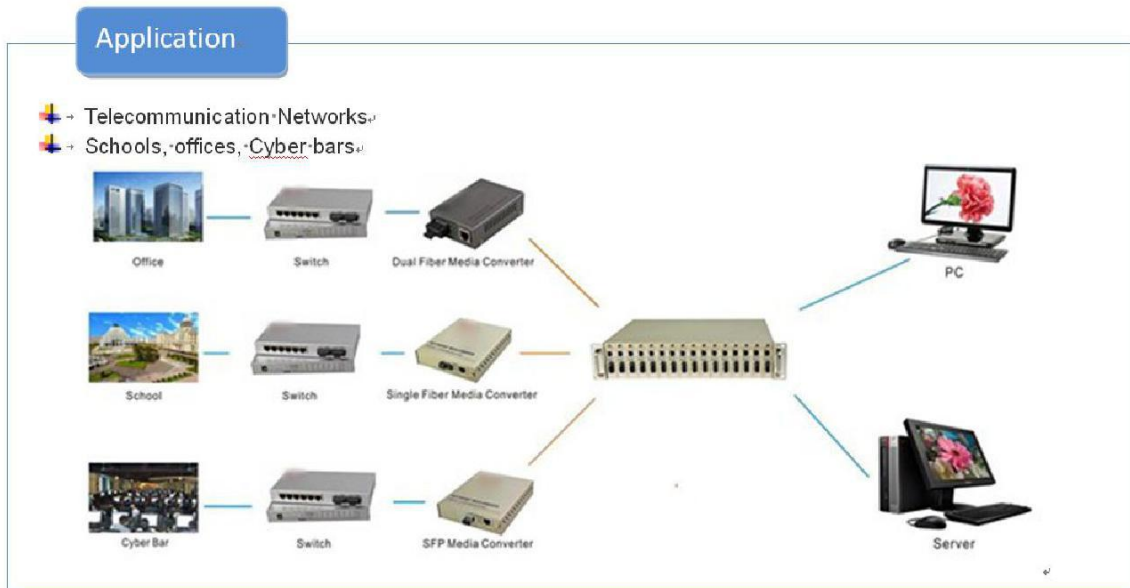
### Introduction

The OM510-GE series, the Gigabit Ethernet media converters, featuring 1-fiber transmission with Wavelength Division Multiplexing (WDM) technology, utilize fiber optics to extend the physical distance range of typical Ethernet link to 20km-100km. It's often applied in school, cyber bars, offices, and telecommunication networks.

### 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>	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℃~50℃
<b>Storage Temperature</b>	-40℃~70℃
<b>Storage Humidity</b>	5%~90% non-condensing

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## Ordering Details

<b>EM-1100-BS20 A</b>	10/100/1000M, Standalone, single fiber, single mode, TX1310/RX1550nm,SC, 20km
<b>EM-1100-BS20 B</b>	10/100/1000M, Standalone, single fiber, single mode, TX1550/RX1310nm,SC, 20km
<b>EM-1100-BS40 A</b>	10/100/1000M, Standalone, single fiber, single mode, TX1310/RX1550nm,SC, 40km
<b>EM-1100-BS40 B</b>	10/100/1000M, Standalone, single fiber, single mode, TX1550/RX1310nm,SC, 40km
<b>EM-1100-BS60 A</b>	10/100/1000M, Standalone, single fiber, single mode, TX1490/RX1550nm,SC, 60km
<b>EM-1100-BS60 B</b>	10/100/1000M, Standalone, single fiber, single mode, TX1550/RX1490nm,SC, 60km

\*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