

stand-alone media converter

# SGFEB1xxx-15x & SGFEB1x40-170

## 100/1000 Bridging Media Converter



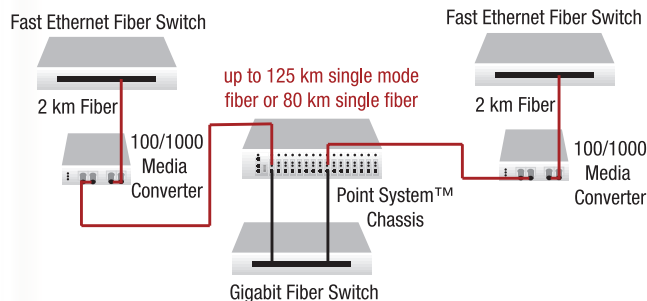
(-150)



(-170)

### Features

- ▶ Extend Network Distance
- ▶ Bridge legacy 100Base-FX devices to a Gigabit fiber backbone
- ▶ Secure Uni-directional transmission
- ▶ Auto-Negotiation (1000Base-X ports)
- ▶ Link Pass Through
- ▶ Far-End-Fault (100Base-FX ports)
- ▶ Pause
- ▶ Automatic Link Restoration



### Ordering Information

#### SGFEB1313-150

100BASE-FX 1300nm MM (SC)  
[2 km/1.2 mi.] Link Budget: 11.0 dB  
to 1000BASE-SX 850nm MM (SC)  
[62.5/125 µm: 220 m/722 ft.]  
[50/125 µm: 550 m/1804 ft.]  
Link Budget: 7.0 dB

#### SGFEB1324-150

100BASE-FX 1300nm MM (SC)  
[2 km/1.2 mi.] Link Budget: 11.0 dB  
to 1000BASE-LX 1310nm Extended MM  
(62.5/125 µm fiber only) (SC)  
[up to 2 km] Link Budget: 7.0 dB

#### SGFEB1314-150

100BASE-FX 1300nm MM (SC)  
[2 km/1.2 mi.] Link Budget: 11.0 dB  
to 1000BASE-LX 1310nm SM (SC)  
[10 km/6.2 mi.] Link Budget: 7.0 dB

#### SGFEB1315-150

100BASE-FX 1300nm MM (SC)  
[2 km/1.2 mi.] Link Budget: 11.0 dB  
to 1000BASE-LX 1310nm SM (SC)  
[25 km/15.5 mi.] Link Budget: 15.0 dB

#### SGFEB1317-150

100BASE-FX 1300nm MM (SC)  
[2 km/1.2 mi.] Link Budget: 11.0 dB  
to 1000BASE-LX 1550nm SM (SC)  
[65 km/40.4 mi.] Link Budget: 20.0 dB

#### SGFEB1335-150

100BASE-FX 1300nm MM (SC)  
[2 km/1.2 mi.] Link Budget: 11.0 dB  
to 1000BASE-LX 1550nm SM (SC)  
[125 km/77.7 mi.] Link Budget: 27.0 dB

#### SGFEB1340-170

100BASE-FX 1300nm MM (SC)  
[2 km/1.2 mi.] Link Budget: 11.0 dB  
to 1000BASE-X SFP Slot (empty)

#### SGFEB1440-170

100BASE-FX 1310nm SM (SC)  
[20 km/12.4 mi.] Link Budget: 16.0 dB  
to 1000BASE-X SFP Slot (empty)

### Single Fiber Products

Recommended use in pairs

#### SGFEB1329-150

100BASE-FX 1300nm MM (SC)  
[2 km/1.2 mi.] Link Budget: 11.0 dB  
to 1000BASE-LX 1310nm TX/1550nm RX  
single fiber SM (SC)  
[20 km/12.4 mi.] Link Budget: 13.0 dB

#### SGFEB1329-151

100BASE-FX 1300nm MM (SC)  
[2 km/1.2 mi.] Link Budget: 11.0 dB  
to 1000BASE-LX 1550nm TX/1310nm RX  
single fiber SM (SC)  
[20 km/12.4 mi.] Link Budget: 13.0 dB

### Ordering Information

#### SGFEB1329-152

100BASE-FX 1300nm MM (SC)  
[2 km/1.2 mi.] Link Budget: 11.0 dB  
to 1000BASE-LX 1310nm TX/1550nm RX  
single fiber SM (SC)  
[40 km/24.9 mi.] Link Budget: 20.0 dB

#### SGFEB1329-153

100BASE-FX 1300nm MM (SC)  
[2 km/1.2 mi.] Link Budget: 11.0 dB  
to 1000BASE-LX 1550nm TX/1310nm RX  
single fiber SM (SC)  
[40 km/24.9 mi.] Link Budget: 20.0 dB

#### SGFEB1429-150

100BASE-FX 1310nm SM (SC)  
[20 km/12.4 mi.] Link Budget: 16.0 dB  
to 1000BASE-LX 1310nm TX/1550nm RX  
single fiber SM (SC)  
[20 km/12.4 mi.] Link Budget: 13.0 dB

#### SGFEB1429-151

100BASE-FX 1310nm SM (SC)  
[20 km/12.4 mi.] Link Budget: 16.0 dB  
to 1000BASE-LX 1550nm TX/1310nm RX  
single fiber SM (SC)  
[20 km/12.4 mi.] Link Budget: 13.0 dB

#### SGFEB1429-152

100BASE-FX 1310nm SM (SC)  
[20 km/12.4 mi.] Link Budget: 16.0 dB  
to 1000BASE-LX 1550nm TX/1310nm RX  
single fiber SM (SC)  
[40 km/24.9 mi.] Link Budget: 20.0 dB

#### SGFEB1429-153

100BASE-FX 1310nm SM (SC)  
[20 km/12.4 mi.] Link Budget: 16.0 dB  
to 1000BASE-LX 1550nm TX/1310nm RX  
single fiber SM (SC)  
[40 km/24.9 mi.] Link Budget: 20.0 dB

Optional Accessories (sold separately)

#### SFP Modules

Wide Input (24 - 60 VDC) Power Supplies

SPS-2460-PS or SPS-2460-SA

#### Mounting Options

##### E-MCR-05

12-Slot Media Converter Rack

##### RMS19-SA4-01

4-Slot Media Converter Shelf

##### WMBD

DIN Rail Mount Bracket 5.0" [127 mm]

##### WMBL

Wall Mount Bracket 4.0" [102 mm]