



stand-alone media converter

# SBFTF1010-130

**10/100****Stand-Alone**

## Fault-Tolerant Redundant Link Protector



### Features

- ▶ Fault-tolerant redundant connections
- ▶ Easy to install and use
- ▶ Supports half and full-duplex transmission
- ▶ AutoCross™ on all 3 ports [
- ▶ Auto-Negotiation
- ▶ IEEE 802.3 compliant
- ▶ Nine diagnostic LEDs
- ▶ Optional 3-port switch mode

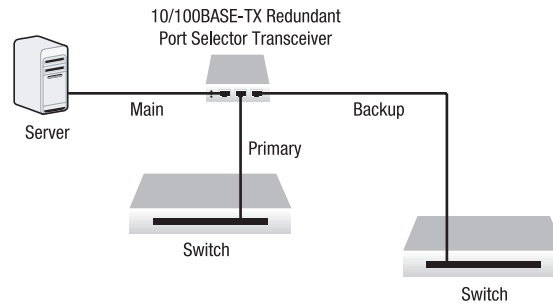
The Redundant Link Protector is a 10/100 Ethernet fault-tolerant transceiver. It significantly reduces network downtime, adding a new level of redundancy to 10/100 Ethernet connections. It also provides a redundant path for critical 10/100 devices. In a 10/100 Ethernet network, a critical device such as a file server may be connected to the rest of the network through a hub or a switch. A common problem in this configuration is that the server is often connected to the network through a single cable. If the cable fails, then the server is disconnected from the rest of the network. Similarly, if a port of a hub or switch to which the server is connected fails, the server is disconnected from the network.

The Redundant Transceiver has three ports: one for the critical (main) device, one for the default (primary) path for the critical device, and another (backup) for the backup path. It is a smart device that will not send any signal on a path that is inactive. If the primary path loses its link, then the transceiver will switch to the backup path in approximately 189 milliseconds.

When the primary path re-establishes its link, the Redundant Link Protector will automatically switch back to the primary path.

Optional functionality, controlled via a dip switch, allows the unit to move from the fault-tolerant mode to a 3-port switch mode.

### Fault-Tolerant Redundant Connections



### Specifications

Standards	IEEE Std. 802.3
RJ-45 Connectors	Type: 8-position, RJ-45 receptacle: 1: TX+    5: NC (no connection) 2: TX-    6: RX- 3: RX+    7: NC (no connection) 4: NC (no connection)                      8: NC (no connection)
Dip Switches	<b>SW1:</b> Auto-Negotiation Enable/Disable <b>SW2:</b> 10/100 Mbps <b>SW3:</b> Full/Half Duplex <b>SW4:</b> Redundancy/Switch
System LEDs	<b>Power (PWR):</b> Indicates the presence of POWER <b>Primary (PRI):</b> Indicates a link is established on the Primary port <b>Backup (BKP):</b> Indicates the link has moved over to the Backup port
Per Port LEDs	<b>Lower Right:</b> Green indicates 100 Mbps; Orange indicates 10 Mbps; Flashing indicates Activity <b>Lower Left:</b> Green indicates full-duplex; Off half-duplex
Dimensions	<b>Width:</b> 3.25" [82 mm] <b>Depth:</b> 4.8" [122 mm] <b>Height:</b> 1.0" [25 mm]
Power	<b>Domestic</b> Input: 120 VAC @ 60 Hz. Output: 12 VDC, 0.5 Amp <b>International</b> Input: 100 – 240 VAC @ 50 Hz. Output: 12 VDC, 1.25 Amp
Operating temperature	0 – 50°C (32°F – 122°F)
Storage temperature	-15°C – 65°C (-5°F – 149°F)
Relative humidity	5% – 95%
Altitude	0 – 10,000 ft.
Shipping Weight	2 lbs. [0.90 kg]
Safety Compliance	<b>Wall Mount Power Supply:</b> UL Listed & CSA Certified
Regulatory Compliance	FCC Class A, EN55024, UL 60950, CE Mark
Warranty	Lifetime

### Ordering Information

**SBFTF1010-130**  
10/100BASE-TX Link Protector Transceiver  
(3) 10/100BASE-TX (RJ-45) [100 m/328 ft.]

#### Optional Accessories (sold separately)

#### Wide Input (24 - 60 VDC) Power Supplies

**SPS-2460-PS**  
Piggy Back Power Supply

**SPS-2460-SA**  
Stand-Alone Power Supply

#### Mounting Options

**E-MCR-05**  
12-Slot Media Converter Rack

**RMS19-SA4-01**  
4-Slot Media Converter Shelf

**WMBD**  
DIN Rail Bracket 5.0" [127 mm]

**WMBD-F**  
DIN Rail Bracket (flat) 3.3" [84 mm]

**WMBL**  
Wall Mount Bracket 4.0" [102 mm]

**WMBV**  
Vertical Wall Mount Bracket 5.0" [127 mm]

**10/100BASE-TX Redundant Link Protector**