

## Stand-alone Fault-Tolerant Redundant Link Protector 10/100Base-TX

The SBFTF1010-130 Redundant Link Protector is a 10/100 Ethernet fault-tolerant transceiver that significantly reduces network down time by adding a new level of redundancy to 10/100 Ethernet connections. The Redundant Transceiver has three ports: one for the critical (main) device, one for the default (primary) path to 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.



### Features

- Fault-tolerant redundant connections
- Easy to install and use
- Supports half and full-duplex transmission
- Auto-MDI/MDIX
- Auto-Negotiation
- IEEE 802.3 compliant
- 9 diagnostic LEDs
- Optional 3-port switch mode

### Specifications

Standards	IEEE 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	SW1: Auto-Negotiation Enable/Disable SW2: 10/100 Mbps SW3: Full/Half-Duplex SW4: Redundancy/Switch
System LEDs	Power (PWR): Indicates the presence of POWER Primary (PRI): Indicates a link is established on the Primary port Backup (BKP): Indicates the link has moved over to the Backup port
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	Width: 3.25" [82.55 mm] Depth: 4.8" [121.92 mm] Height: 1" [25 mm]
Power Consumption	2.4 Watts
Power Input	120 VAC @ 60 Hz. (Domestic) 100 – 240 VAC @ 50 Hz. (International)
Power Output	12 VDC, 0.5 Amp (Domestic) 12 VDC, 1.25 Amp (International)
Environment:	Operating: 0°C to +50°C Storage: -15°C to +65°C Humidity: 5% to 95% Altitude: 0 – 10,000 ft.
Weight	2 lbs. [0.90 kg]
Certifications	Safety: Wall Mount Power Supply: UL Listed & CSA Certified; 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 mm/328 ft.]

#### Optional Accessories (sold separately)

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

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

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

#### Mounting Options (sold separately)

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

**RMS19-SA4-02**  
4-Slot Media Converter Shelf

**WMBD**  
DIN Rail Bracket 5" [127 mm]

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

**WMBL**  
Wall Mount Bracket 4" [102 mm]

**WMBV**  
Vertical Wall Mount Bracket 5" [127 mm]

### Power Supply Included

To order the corresponding country specific power supply, add the extension from the list below to the end of the SKU;  
Ex: SBFTF1010-130-xx

#### -xx = Country Code

- |                     |                      |
|---------------------|----------------------|
| -NA = North America | -LA = Latin America  |
| -EU = Europe        | -UK = United Kingdom |
| -SA = South Africa  | -JP = Japan          |
| -OZ = Australia     | -BR = Brazil         |