

# S4TEF10xx-125

## 4x T1/E1/J1 + 10/100 Ethernet Transport Mux



- Low cost transport capability:  
(4) T1/E1/J1; (1) Ethernet
- Target applications include:  
FTTx, such as Fiber-to-the-Business, Fiber-to-the-Building, Fiber-to-the-MDU and Fiber-to-the-Home.

### Features

- Loopback via Test Set
- Auto-Negotiation for 10/100BASE-TX
- AutoCross™ (auto MDI/MDI-X)
- Transparent Link Pass Through for Ethernet
- Automatic Link Restoration
- Pause (Flow Control)
- Remote Management
- Local and Remote Loopback
- Remote Fiber Loss Signaling
- AIS/TAOS
- LEDs for each data port
- Settings for line code, line length, local loopback or remote loopback
- T1/E1/J1 mode settings
- Local (AUX) Management Interface
- Access to complete status information on local and remote device
- Field Upgradeable Firmware
- Extended Operating Temperature

### Specifications

|                        |                                                                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards              | Ethernet interface:<br>IEEE 802.3™-2008<br><br>TDM interfaces:<br>ANSI T1.102, T1.403 and T1.408<br>ITU I.431, G.703, G.736, G.775 and G.823<br>ETSI 300-166, 300-233 and TBR 12/13<br>AT&T Pub 62411 |
| Switches               | Numerous switch settings for line coding, line buildout, loopback (per port), AIS setting                                                                                                             |
| Ethernet port settings | Auto-Negotiation, Force speed/duplex and enable Transparent Link Pass Through                                                                                                                         |
| Dimensions             | <b>Width:</b> 3.7" [94 mm]<br><b>Depth:</b> 4.7" [119 mm]<br><b>Height:</b> 1.8" [46 mm]                                                                                                              |
| Power                  | External AC/DC provided; 12 VDC, 1.25A; unregulated; standard; UL listed                                                                                                                              |
| Power Consumption      | 4.4 Watts                                                                                                                                                                                             |
| Operating Temperature  | -40°C – 70°C (not including power supply)                                                                                                                                                             |
| Storage Temperature    | -40°C – 85°C                                                                                                                                                                                          |
| Altitude               | 0 – 10,000 ft.                                                                                                                                                                                        |
| Operating Humidity     | 5% – 95% (non-condensing)                                                                                                                                                                             |
| Shipping Weight        | 2 lbs. [0.90 kg]                                                                                                                                                                                      |
| Regulatory Compliance  | EN55022 Class A, EN55024, CE mark                                                                                                                                                                     |
| Warranty               | Lifetime                                                                                                                                                                                              |

### Ordering Information

#### S4TEF1011-125

1300nm multimode (ST)  
[2 km/1.2 mi.] Link Budget: 11.0 dB  
to (4) RJ-48 [1.5 km/0.9 mi.]  
plus 10/100BASE-TX (RJ-45) [100 m]

#### S4TEF1013-125

1300nm multimode (SC)  
[2 km/1.2 mi.] Link Budget: 11.0 dB  
to (4) RJ-48 [1.5 km/0.9 mi.]  
plus 10/100BASE-TX (RJ-45) [100 m]

#### S4TEF1014-125

1310nm single mode (SC)  
[20 km/12.4 mi.] Link Budget: 16.0 dB  
to (4) RJ-48 [1.5 km/0.9 mi.]  
plus 10/100BASE-TX (RJ-45) [100 m]

#### \*\*S4TEF1040-125

1 SFP port (Empty)  
to (4) RJ-48 [1.5 km/0.9 mi.]  
plus 10/100BASE-TX (RJ-45) [100m]

#### \*\*S4TEF1040-145

2 SFP ports (Empty)  
to (4) RJ-48 [1.5 km/0.9 mi.]  
plus 10/100BASE-TX (RJ-45) [100m]

### Single Fiber Products

#### \*S4TEF1029-125

1310nm TX/1550nm RX single fiber SM (SC) [20 km/12.4 mi.] LB: 19.0 dB  
to (4) RJ-48 [1.5 km/0.9 mi.]  
plus 10/100BASE-TX (RJ-45) [100 m]

#### \*S4TEF1029-126

1550nm TX/1310nm RX single fiber SM (SC) [20 km/12.4 mi.] LB: 19.0 dB  
to (4) RJ-48 [1.5 km/0.9 mi.]  
plus 10/100BASE-TX (RJ-45) [100 m]

### Optional Accessories (sold separately)

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

#### SPS-2460-SA

Stand-Alone Power Supply

### Mounting Options

#### 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]