

S4TEF10xx-125

(4) DS1 - T1/E1/J1 + 10/100 Ethernet Transport Mux NID



The S4TEF10xx-125 stand-alone provides low cost transport capability through (4) DS1 - T1/E1/J1 ports and (1) Ethernet port. The S4TEF10xx-125 also provides physical layer status monitoring and alarm classification functions for Telecom operators to manage their fiber optic network and reduce operation and maintenance costs.

Copper connections through the S4TEF10xx-125 are compatible with G.703, AMI/B8ZS/HDB3, 10/100Base-TX, and RS232 channel; while the optical connection runs at 155Mbps.

As TDM traffic is not mapped to Ethernet, a hardware-based solution guarantees the constant bit rate of TDM transport without requiring traffic management.

Features

- Loopback via Test Set
- Auto-Negotiation for 10/100Base-TX
- Auto-MDI/MDI-X
- Transparent Link Pass Through
- 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 Upgradable Firmware
- Extended Operating Temperature

Specifications

Standards	IEEE 802.3™-2008 ANSI T1.102, T1.403 and T1.408 ITU I.431, G.703,G.736, G.775 and G.823 ETSI 300-166, 300-233 and TBR 12/13 AT&T Pub 62411
Data Rate	10/100 Mbps
Switches	Numerous switch settings for line coding, line buildout, loopback (per port), AIS setting
Dimensions	Width: 3.7" [94 mm] Depth: 4.7" [119 mm] Height: 1.8" [46 mm]
Power Consumption	4.4 Watts
Power Supply	External AC/DC provided; 12 VDC, 1.25A; unregulated; standard; UL Listed
Environment	Operating: -40°C to 70°C Storage: -40°C to 85°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	2 lb. [0.90 kg]
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.]
+ 10/100Base-TX (RJ-45) [100 mi.]

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.]
+ 10/100Base-TX (RJ-45) [100 mi.]

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.]
+ 10/100Base-TX (RJ-45) [100 mi.]

**S4TEF1040-125

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

**S4TEF1040-145

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

Single Fiber Products

*S4TEF1029-125

1310nm TX/1550nm RX single fiber single mode (SC) [20 km/12.4 mi.]
Link Budget: 19.0 dB
to (4) RJ-48 [1.5 km/0.9 mi.]
+ 10/100Base-TX (RJ-45) [100 mi.]

*S4TEF1029-126

1550nm TX/1310nm RX single fiber single mode (SC) [20 km/12.4 mi.]
Link Budget: 19.0 dB
to (4) RJ-48 [1.5 km/0.9 mi.]
+ 10/100Base-TX (RJ-45) [100 mi.]

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]

*Operating Temperature -20°C to 70°C only on these models

**SFP port uses standard 100Base-x/oc-3 SFP