S4TEF10xx-120

(4) DS1 - T1/E1/J1 Copper to Fiber Transport Mux NID

The S4TEF10xx-120 stand-alone provides physical layer status monitoring and alarm classification functions for Telecom operators to manage their fiber optic network and reduce OPEX and maintenance costs.

The hardware-based solution guarantees the constant bit rate of TDM transport without requiring traffic management while the copper connections are compatible with G.703 and AMI/B8ZS/ HDB3. The optical connection will run at 155 Mbps.

Devices must be used in pairs. Typical installation will include a chassis card [C4EFT] installed in the Point System™ locally and a stand-alone device installed at the remote location.

Features

- Loopback via Test Set
- Local and Remote Loopback
- 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
- Low cost transport capability: (4) T1/ E1/J1
- Target applications of the device include: FTTx, such as Fiber-to-the-Business, Fiber-to-the-Building, Fiber-to-the-MDU and Fiber-to-the-Home; Cell Tower Backhaul
- Automatic Link Restoration
- Remote Management

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
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

S4TEF1011-120
1300nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB
to (4) RJ-48 [1.5 km/0.9 mi.]

S4TEF1013-120
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
to (4) RJ-48 [1.5 km/0.9 mi.]

S4TEF1014-120
1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
to (4) RJ-48 [1.5 km/0.9 mi.]

****S4TEF1040-120**
1 SFP port (Empty) to (4) RJ-48 [1.5 km/0.9 mi.]

****S4TEF1040-140**
2 SFP ports (Empty)
to (4) RJ-48 [1.5 km/0.9 mi.]

Single Fiber Products

***S4TEF1029-120**
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.]

***S4TEF1029-121**
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.]

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**