

S6110 Series

Stand-alone T1/E1/J1 Network Interface Device

4xT1/E1/J1 over Fiber



S6110-1013

Features

- 4 x RJ-48 copper interfaces
- 1 fiber interface (fixed or SFP)
2 SFP ports on S6111-1040 model
- Loopback via test set
- Local and remote loopbacks
- LEDs for device status and troubleshooting
- Settings for line code, line build out, loopbacks and Alarm Indication Signal (AIS)
- Access to complete status and configuration on local and remote device
- Remote firmware upgrade
- Remote management
- Extended operating temperature

The ION™ 4xT1/E1/J1 copper to fiber network interface device (NID) provides a solution for those users that need to extend multiple T1/E1 connections over fiber.

The ION™ 4xT1/E1/J1 supports Small Form Pluggable (SFP) transceivers to support a variety of fiber types, distances and wavelengths to provide maximum flexibility across a variety of network topologies.

The use of Coarse Wave Division Multiplexing (CWDM) SFPs can be utilized to further increase the bandwidth capacity of the fiber infrastructure.

The ION™ 4xT1/E1/J1 NID must be used in pairs. A typical installation will include a chassis card installed in the ION™ Platform locally and a stand-alone device installed at the remote location.

Hardware and Performance Specifications

Standards	ANSI T1.102 T1.403 T1.408 ITU I.431 G.703 G.736 G.775 G.823 ETSI 300-166 300-233 TBR 12/13 AT&T Pub 62411
Switches	Numerous switch settings for line coding, line build out, loopback and AIS
Data Rate	Copper ports (RJ-48): T1(J1) = 1.544Mb/s, E1 = 2.048Mb/s SFP port(s) (empty): 100BASE-X/OC-3
Status LEDs	Power, Port Status, Loopback and AIS
Dimensions	Width: 3.7" [94 mm] Depth: 6.5" [165 mm] Height: 1.8" [46 mm]
Input Power	AC: 12 VDC via barrel connector using 100-240VAC, UL listed power supply
Power Consumption	6W max for dual fiber model, 5.5W max for single fiber model
Environment	Operating : -10°C to 65°C Storage: -40°C to +85°C Operating Humidity: 5% to 95% (non condensing)
Safety	EN55022 Class A, EN55024, CE mark
Weight	2 lbs. (0.90 kg)
Warranty	Lifetime

Applications

- T1/E1/J1 extension over fiber
- Mobile backhaul
- Business customers



Ordering Information

S6110-1011

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

S6110-1013

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

S6110-1014

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

S6110-1040

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

S6111-1040

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

Single Fiber Products

S6110-1029-A1

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.]

S6110-1029-A2

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)

SFP Modules

Wide Input (24 - 60VDC) Power Supplies

SPS-2460-SA

Stand-Alone Power Supply

Mounting Options

WMBL

Wall Mount Bracket 4.0" [102 mm]

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

**POWER
SUPPLY
INCLUDED**