S6110 Series
4xT1/E1/J1

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.

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

Applications

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

Hardware and Performance Specifications

Standards	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 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	-10°C to +65°C operating temperature 5%– 95% humidity non-condensing -40°C to +85°C storage temperature
Safety	EN55022 Class A, EN55024, CE mark
Shipping Weight	2 lbs. (0.90 kg)
Warranty	Lifetime