NEW PRODUCT

slide-in-module for the ion platform

see also: 10/100/1000BASE-T to 1000BASE-SX/LX Stand-Alone NIDs

C6110 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.

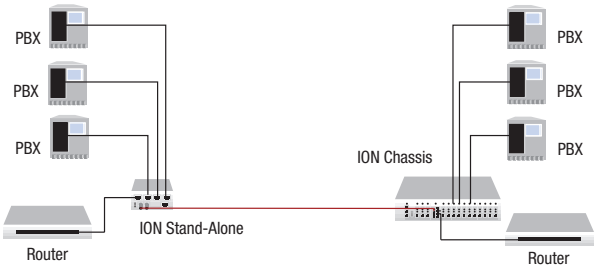
The ION 4xT1/E1/J1 supports Small Form Pluggable (SFP) transceivers to support a variety of fiber types, distances and wavelengths to provide maximum flexibility across a variety of network topologies.

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 C6111-1040 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



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:** 1.72" [44 mm] **Depth:** 6.5" [165 mm] **Height:** 3.4" [86 mm]
Power Consumption	6W max for dual fiber model, 5.5W max for single fiber model
Environment	See chassis specifications
Safety Compliance	EN55022 Class A, EN55024, CE mark
Shipping Weight	1 lbs. (0.45 kg)
Warranty	Lifetime

Ordering Information

C6110-1011
1300nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB
to (4) RJ-48 **[1.5 km/0.9 mi.]**

C6110-1013
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
to (4) RJ-48 **[1.5 km/0.9 mi.]**

C6110-1014
1310nm single mode (SC)
[20 km/12.4 mi.]
Link Budget: 16.0 dB
to (4) RJ-48 **[1.5 km/0.9 mi.]**

C6110-1015
1310nm single mode (SC)
[40 km/24.9 mi.]
Link Budget: 29.0 dB
to (4) RJ-48 **[1.5 km/0.9 mi.]**

C6110-1016
1310nm single mode (SC)
[60 km/37.3 mi.]
Link Budget: 32.0 dB
to (4) RJ-48 **[1.5 km/0.9 mi.]**

C6110-1017
1550nm single mode (SC)
[80 km/49.7 mi.]
Link Budget: 29.0 dB
to (4) RJ-48 **[1.5 km/0.9 mi.]**

C6110-1035
1550nm single mode (SC)
[120 km/74.6 mi.]
Link Budget: 36.0 dB
to (4) RJ-48 **[1.5 km/0.9 mi.]**

C6110-1040
1 SFP port (Empty)
to (4) RJ-48 **[1.5 km/0.9 mi.]**

C6111-1040
2 SFP ports (Empty)
to (4) RJ-48 **[1.5 km/0.9 mi.]**

Single Fiber Products

Recommended use in pairs

C6110-1029-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.]**

C6110-1029-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.]**

C6110-1029-B1
1310nm TX/1550nm RX single fiber single mode (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB
to (4) RJ-48 **[1.5 km/0.9 mi.]**

C6110-1029-B2
1550nm TX/1310nm RX single fiber single mode (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB
to (4) RJ-48 **[1.5 km/0.9 mi.]**