ION DS3 - T3/E3 Network Interface Device Module

DS3 – T3/E3 Coax over Fiber

Media Converters

C6210-3040

The ION C6210 is a managed media converter module that provides a solution for those users that need to extend DS3-T3/E3 connections over fiber. The C6210 is available in versions that support fixed fiber connectors as well as SFP fiber modules offering support for a variety of fiber types, distances, and wavelengths to provide maximum flexibility across a variety of network topologies. CWDM SFPs can also be utilized to further increase the bandwidth capacity of the fiber infrastructure.

The C6210 DS3-T3/E3 converters must be used in pairs. A typical installation will include a modular card installed in a managed ION chassis linked over fiber to a stand-alone S6210 in a remote location.

Ordering Information

C6210-3013
(2) Coax (BNC) to 1300nm multimode (SC) [2 km/ 1.2 mi.] Link Budget: 11.0 dB

C6210-3014
(2) Coax (BNC) to 1310nm single mode (SC) [20 km/12.4 mi.] Link Budget: 16.0 dB

C6210-3040
(2) Coax (BNC) to *SFP slot (empty)

Optional Accessories (sold separately)

SFP Modules

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

Features

- AIS (Alarm Indication Signal)
- Coax Line Build Out
- Switch selectable for DS3/T3 or E3
- Remote firmware upgrade
- Loopback – Coax and Fiber
- LEDs for immediate visual status
- Supports dual or single fiber
- Supports multimode and single mode fiber at a variety of distances
- Supports CWDM SFPs
- SNMP management when used with ION chassis and management module
- Remote stand-alone can be managed by local peer
- Must be used in pairs

Specifications

Standards	ANSI ITU-TS ETSI G.823 for jitter tolerance G.755 for loss of signal
Coax Connectors	75 ohm coax
Fiber Connectors	SFP: LC connector Uses standard 100Base-X/OC-3 SFP Fixed Optics: ST or SC connector
Data Rates	DS3/T3 = 44.7Mbps; E3 = 34.4Mbps
Status LEDs	Power, Coax link status, coax loopback status, AIS on coax link; Fiber link status, fiber loopback status, AIS on fiber link
Dimensions	Width: 0.86" [22 mm] Depth: 6.5" [165 mm] Height: 3.4" [86 mm]
Power Consumption	2.5 Watts
Environment	**Environment specs are dependent on the chassis chosen** Operating: 0°C to 50°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	1 lb. [0.45 kg]
MTBF	Greater than 250,000 hours (MIL-HDBD-217F) Greater than 687,000 hours (Bellcore)
Certifications	CISPR/EN55022 Class A, FCC Class A, CE Mark
Warranty	Lifetime