

Stand-alone DS3-T3/E3 Network Interface Device DS3 – T3/E3 Coax over Fiber

The ION S6210 is a managed stand-alone media converter that provides a solution for those users that need to extend DS3-T3/E3 connections over fiber. The S6210 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 S6210 DS3-T3/E3 converters must be used in pairs. Management of the stand-alone converter is supported, inband, over the fiber, when the remote S6210 is linked to a C6210 card installed in a managed ION chassis.



S6210-3014

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 chassis card
- 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: 3.5" [82 mm] Depth: 6.5" [165 mm] Height: 1" [25 mm]
Power Consumption	2.4 Watts
Power Input	100-240 VAC
Power Output	12 VDC
Environment	Operating: -10°C to +65°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	2 lbs. [0.90 kg]
MTBF	With Power Supply: Greater than 41,660 hours (MIL-HDBD-217F) Greater than 114,580 hours (Bellcore) Without Power Supply: Greater than 250,000 hours (MIL-HDBD-217F) Greater than 687,000 hours (Bellcore)
Certifications	CISPR/EN55022 Class A, FCC Class A, CE Mark, UL60950
Warranty	Lifetime

Power Supply Included

To order the corresponding country specific power supply, add the extension from the list below to the end of the SKU; Ex: S6210-3013-**xx**

-xx = Country Code

-NA = North America	-LA = Latin America
-EU = Europe	-UK = United Kingdom
-SA = South Africa	-JP = Japan
-OZ = Australia	-BR = Brazil

Ordering Information

S6210-3013

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

S6210-3014

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

S6210-3040

(2) Coax (BNC) to SFP* slot (empty)
*SFP port uses standard 100Base-x/oc-3 SFP

Optional Accessories (sold separately)

SFP Modules

Wide Input (24 - 60VDC) Power Supplies (sold separately)

SPS-2460-SA

Stand-Alone Power Supply

Mounting Options (sold separately)

WMBL

Wall Mount Bracket 4" [102 mm]

WMBD

DIN Rail Bracket 5" [127 mm]

E-MCR-05

12-Slot Media Converter Rack

RMS19-SA4-02

4-Slot Media Converter Shelf