

## Stand-alone DS3-T3/E3 Network Interface Device

DS3 – T3/E3 Coax over Fiber

Media Converters



S6210-3040

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, in-band, over the fiber, when the remote S6210 is linked to a C6210 card installed in a managed ION chassis.

### 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

### 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)

**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

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

**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: S6210-3011-NA

**-NA = Country Code**

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