

## Stand-alone DS1 - T1/E1/J1 Network Interface Device

### 4 x DS1 - T1/E1/J1 over Fiber

Media Converters



The ION S6110 is a managed stand-alone DS1 - T1/E1/J1 media converter mux that provides a solution for those users that need to extend multiple DS1 - T1/E1/J1 connections over fiber. The S6110 includes (4) RJ-48 ports and (1) fiber port. The device supports 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 S6110 converter must be used in pairs. Management of the stand-alone converter is supported, in-band, over the fiber, when the remote S6110 is linked to a C6110 card installed in a managed ION chassis.

### Features

- (4) RJ-48 copper interfaces
- (1) fiber interface (fixed or SFP)
- 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
- Must be used in pairs

### Specifications

Standards	ANSI T1.102 T1.403 T1.408 ITU I.431 G.703 G.736 G.775 G.823 ETSI 300-166 300-233 TBR 12/13 AT&T Pub 62411
Data Rate	Copper ports (RJ-48): T1(J1) = 1.544Mb/s, E1 = 2.048Mb/s SFP port (empty): 100Base-X/OC-3
Switches	Numerous switch settings for line coding, line build out, loopback and AIS
Status LEDs	Power, Port Status, Loopback and AIS
Dimensions	Width: 3.7" [94 mm] Depth: 6.5" [165 mm] Height: 1.8" [46 mm]
Power Consumption	6 Watts (max) for dual fiber model 5.5 Watts (max) for single fiber model
Power Input	AC: 12 VDC via barrel connector using 100-240VAC, UL listed power supply
Environment	Operating: -10°C to 65°C Storage: -40°C to +85°C Humidity: 5% to 95% (non-condensing)
Weight	2 lbs. [0.90 kg]
MTBF	114,580 hours (Bellcore)
Certifications	EN55022 Class A, EN55024, CE mark
Warranty	Lifetime

### Ordering Information

**S6110-1040**  
1 SFP port (Empty)  
to (4) RJ-48 [1.5 km/0.9 mi.]  
(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]

#### 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: S6110-1040-NA

#### -NA = Country Code

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