

### Stand-alone Fiber to Fiber Media Converter SFP+ to SFP+ for Data Rates from 1 Gbps to 11.5 Gbps

The S4110 is a stand-alone fiber to fiber media converter. It is protocol independent and supports data rates from 1 Gbps to 11.5 Gbps through two open SFP+ slots. This allows network managers to customize the S4110 with a pair of SFP+ modules to meet their network requirements. The open SFP+ ports support a wide variety of Lantronix 10GE SFP+ fiber modules. This any-rate to same-rate converter can be used to perform reliable and cost-effective single mode to multimode conversion or it can be used to provide wavelength conversion in CWDM applications.



S4110-4848

### Key Features

- Fiber to fiber repeater
- Supports data rates from 1 Gbps to 11.5 Gbps
- Support any-rate to same-rate
- Protocol Transparent, supports:
  - Ethernet: 10Gig LAN, 10Gig Wan, 1Gig LAN
  - Fiber Channel: 10, 8, 4, 2, 1Gig
  - SONET/SDN OC-192, OC-48
- SFP to SFP or SFP+ to SFP+
- Provides conversion between different types of fiber
- Supported transmission distance based on the SFP modules and fiber type used
- Supports 3R (Reamplify, Reshape, and Retime) signal regeneration
- No frame size limitations
- Use as a fiber mode converter
- Use as a specific wavelength CWDM Transponder
- Also available as an ION slide-in card: C4110-4848

### Specifications

Standards	IEEE 802.3ae ITU.G.709 SFF8431 Multi-sourcing Agreement (MSA) Small Form Factor Pluggable (SFP)
TDM Port (T1)	PWR: On = Power Port 1 Link/Act: On = Link, Flashing = Network Traffic Port 2 Link/Act: On = Link, Flashing = Network Traffic
Data Rate	Protocol Independent, 1 Gbps to 11.5 Gbps
Dip Switches	Only 4 of the 8 Dip Switches are used to select the operational data rate, see the user guide for the supported dip switch configurations
Dimensions	Width: 3.25" [82 mm] Depth: 6.5" [165 mm] Height: 1" [25 mm]
Power Consumption	4.2W (350mA @12V)
Power Supply	External AC/DC power supply, Universal AC 120-240VAC input, 12VDC 1.5A output
Environment	Operating: 0°C to 50°C Storage: -40° to 85°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-HDBK-217F) Greater than 114,580 hours (Bellcore)  Without Power Supply: Greater than 250,000 hours (MIL-HDBK-217F) Greater than 687,000 hours (Bellcore)
Certifications	FCC Class A, CE Mark, EN55022 Class A, EN55024
Warranty	Lifetime

### Ordering Information

#### S4110-4848

1 Gbps to 11.5 Gbps fiber repeater with two open SFP+ slots, any-rate to same-rate stand-alone media converter

#### Optional Accessories (sold separately)

##### SFP Modules

SFP and SFP+ modules supported

#### 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

### 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: S4110-4848-NA

#### -NA = Country Code

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