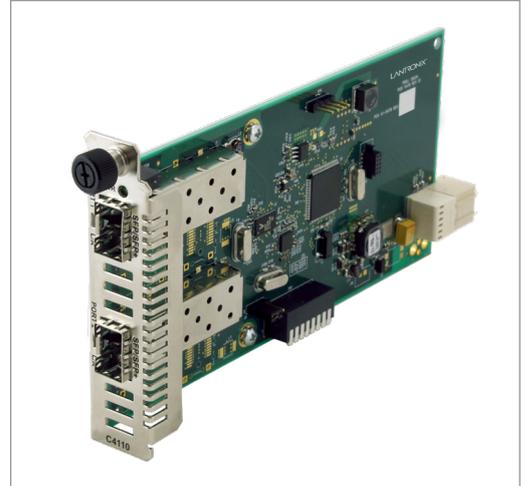


## ION Fiber to Fiber Media Converter Module

### SFP+ to SFP+ for Data Rates from 1 Gbps to 11.5 Gbps

The C4110 is a fiber to fiber media converter module. It is protocol independent and supports data rates from 1Gbps to 11.5Gbps through two open SFP+ ports. This allows network managers to customize the C4110 with a pair of SFP+ modules to meet their network requirements. The open SFP+ port supports a wide variety of Lantronix 10Gbps 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. The ION C4110 is a manageable device when installed in a managed ION chassis.



### Features

- Fiber to fiber repeater
- Remotely Managed when installed in a Managed ION Chassis
- Supports data rates from 1Gbps to 11.5Gbps
- 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 type of fiber 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 a stand-alone converter: S4110-4848

### 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, 1Gbps to 11.5Gbps
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: 0.86" [22 mm] Depth: 6.5" [165 mm] Height: 3.4" [86 mm]
Power Consumption	4.2 Watts
Environment	<b>Environment specs are dependent on the chassis chosen</b> 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-HDBK-217F) Greater than 687,000 hours (Bellcore)
Certifications	FCC Class A, CE Mark, EN55022 Class A, EN55024
Warranty	Lifetime

### Ordering Information

#### C4110-4848

1 Gbps to 11.5 Gbps fiber repeater with two open SFP+ slots, any-rate to same-rate ION slide-in card media converter

#### Optional Accessories (sold separately)

#### SFP or SFP+ Modules