# C3100-4040

## ION Fiber to Fiber Media Converter Module

**SFP to SFP for Data Rates from 100Mbps to 2.5 Gbps**

The ION C3100 is a fiber to fiber media converter module. It is protocol independent and supports data rates from 100Mbps to 2.5Gbps through two open SFP slots. This any-rate to same-rate converter can be used to perform reliable and cost-effective single mode to multimode fiber conversion or it can be used to provide wavelength conversion in CWDM applications. The ION C3100 is a manageable device when installed in a managed ION chassis.

### Ordering Information

**C3100-4040**
  100Mbps to 2.5Gbps fiber repeater with two open SFP slots, any-rate to same-rate. ION Chassis Card media converter

**Optional Accessories** (sold separately)

**SFP Modules**

## Features

- Protocol Transparent
- Supports data rates from 100Mbps to 2.5Gbps
- Any-rate to same-rate conversion
- SFP to SFP Fiber Repeater
- Specific wavelength CWDM Transponder
- Supported protocols: Fast Ethernet, Gigabit Ethernet, SONET (OC-3/12/48), 1 & 2 Gig Fiber Channel, 2.5G InfiniBand, FDDI, ESCON/SBCON
- DMI, Digital diagnostics statistics available through ION Management Module
- Link Pass Through
- Automatic Link Restoration

## Specifications

| | |
|---|---|
| Standards | Multi-Source Agreement (MSA) <br> Small Form Factor Pluggable (SFP) |
| Data Rates | Protocol Independent <br> 100Mbps to 2.5 Gbps |
| Max Frame Size | 16384 bytes Jumbo Frames Supported |
| Status LEDs | PWR          ON (Green) = Power <br> Port 1 Link    ON = Fiber Signal Detected <br> Port 2 Link    ON = Fiber Signal Detected |
| Dimensions | Width: 0.86" [22 mm] <br> Depth: 6.5" [165 mm] <br> Height: 3.4" [86 mm] |
| Power Consumption | 2-3 Watts, based on the SFP modules used |
| Power Supply | External AC/DC required: 12VDC |
| Environment | **Environment specs are dependent on the chassis chosen** <br> Operating: 0°C to 50°C <br> Humidity: 5% to 95% (non-condensing) <br> Altitude: 0 – 10,000 ft. |
| Weight | 1 lb. [0.45 kg] |
| MTBF | Greater than 250,000 hours (MIL-HDBK-217F) <br> Greater than 687,000 hours (Bellcore) |
| Certifications | FCC Class A, EN55022 Class A, EN55024, CE Mark |
| Warranty | Lifetime |

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