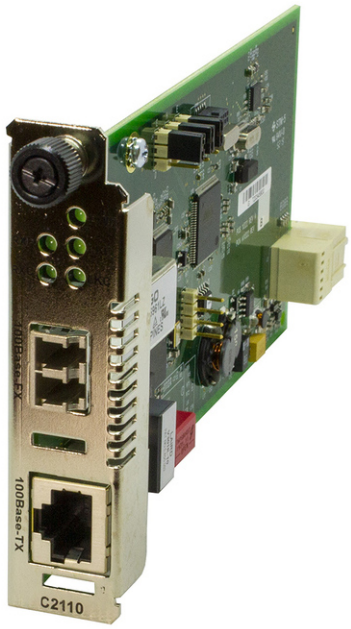
100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1300nm multimode (LC) [2 km/1.2 mi.] Link Budget: 11.0 dB







Direct Attach Cables / Active Optical Cables

A simple to install, cost-effective and interoperable solution

Often used for data center short-reach interconnects, Direct Attach, Active Copper and Active Optical Cables are an indispensable part of any network.

Terminated with transceiver-style connectors, they are designed to be used in the same ports as a typical SFP+ or QSFP transceiver, with no need for adapters or converters. Our DAC and AOC cables offer compatibility with a huge range of vendors, enabling the connectivity you need within the Top of Rack and End of Row environments.

- 10G, 25G, 40G & 100G product solutions
- Seamless interoperability with network equipment
- Multi-code options enabling different OEM vendors at each end of the cable
- 4x breakout cables, 40G QSFP+ to 4x 10G SFP and 100G QSFP28 to 4x 25G SFP28
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- Compatible with Over 90 Systems
- Savings of up to 70%

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100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1300nm multimode (LC) [2 km/1.2 mi.] Link Budget: 11.0 dB

The ION C2110 is a media converter module that provides an interface between 100Base-TX ports and 100Base-FX ports, allowing users to integrate fiber optic cabling into 100Base-TX copper environments. Operating at Layer 1, the physical layer, data is passed through the converter at line speed, making it ideal for applications where low latency is essential. The ION C2110 is a manageable device when installed in a managed ION chassis.

Features

- Auto-Negotiation of speed and duplex on TP port
- Auto-MDI/MDIX on TP port
- Link Pass Through (LPT)
- Far-End-Fault (FEF) detection
- Automatic Link Restoration
- Pause advertisement
- Field Upgradeable Firmware
- Can be used in any ION Platform Chassis
- Standards based, will link with any Standard 100Base-TX and any Standard 100Base-FX ports

Manageable Features

- Report converter status to chassis management software:

- TP and Fiber Link Status
- Hardware switch settings
- Copper Port Speed
- TP and Fiber Port Duplex
- Fault condition

- Write operation includes:

- Power on/off device
- Auto-Negotiation enable/disable
- Force 10 Mbps or 100 Mbps
- Force half or full-duplex
- Select advertising modes when
- Auto-Negotiation is enabled
- LPT enable/disable
- FEF enable/disable
- Pause enable/disable

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100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1300nm multimode (LC) [2 km/1.2 mi.] Link Budget: 11.0 dB

- Auto-MDI/MDIX enable/disable

Note: Manageable Features are available when used in an ION Platform chassis along with an ION Management Module.

Technical Data

Standards

- IEEE 802.3

Data Rate

- 100 Mbps, Layer 1

Switch

- SW1: Auto-Negotiation (UP = enabled)
- SW2: Pause (UP=enabled)
- SW3: Link Pass Through (UP = enabled)
- SW4: Far-End-Fault (FEF) (UP = enabled)

Internal Jumper

- Auto-MDI/MDIX: Enable/Disable

Jumper

- Hardware: Mode of operation is determined by the settings on the 4-position switch
- Software: Mode of operation is determined by the most recently saved on-board microprocessor settings

Status LEDs

- PWR (Power): ON = Connection to powered backplane
- LKC (Copper Link): ON = Copper Link
- RXC (Receive Copper): Blinking = Data received on Copper link
- LKF (Fiber Link): ON = Fiber Link

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100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1300nm multimode (LC) [2 km/1.2 mi.] Link Budget: 11.0 dB

- RXF (Receive Fiber): Blinking = Data received on Fiber Link

Dimensions

- Width: 0.86" [22 mm]
- Depth: 6.5" [165 mm]
- Height: 3.4" [86 mm]

Power Consumption

- 2.5 Watts, 200 mA @ 13.9 VDC

Environment

- Environment specs are dependent on the chassis chosen
- 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 667,500 hours (Bellcore)

Certifications

- CISPR/EN55022 Class A, FCC Class A, CE Mark

Warranty

- Lifetime

Product variants & accessories

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100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1300nm multimode (LC) [2 km/1.2 mi.] Link Budget: 11.0 dB

Art.-No.	Description
C2110-1039	100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1300nm multimode (LC) [2 km/1.2 mi.] Link Budget: 11.0 dB

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