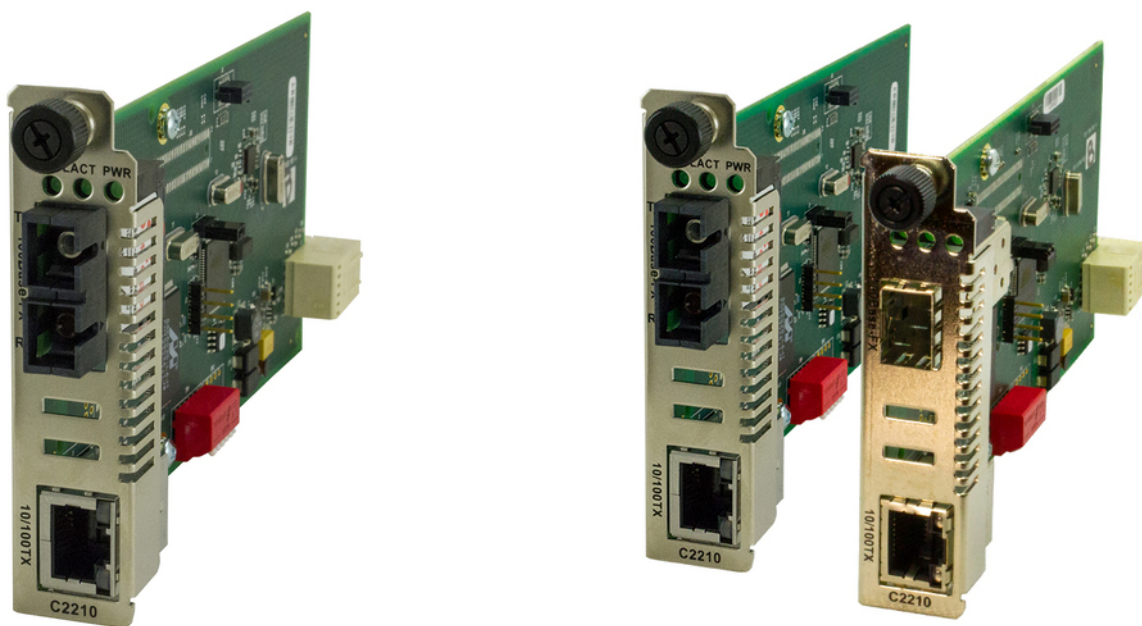


10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1310nm single mode (SC)[20 km/12.4 mi.]

Link Budget: 16.0 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
- Fast Delivery, Custom solutions
- Compatible with Over 90 Systems
- Savings of up to 70%



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10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1310nm single mode (SC)[20 km/12.4 mi.]

Link Budget: 16.0 dB

The ION C2210 is a media converter module that provides an interface between 10/100Base-TX ports and 100Base-FX ports, allowing users to integrate fiber optic cabling into 10/100 copper environments. Operating at Layer 2, the data link layer, this converter not only converts copper to fiber, it also provides rate conversion allowing legacy 10Base-T copper devices to connect to 100Base-FX fiber. The ION C2210 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
- Pause (Software Controlled)
- Automatic Link Restoration
- Field Upgradeable Firmware
- Can be used in any ION Platform Chassis
- Standards based, will link with any Standard 10/100Base-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

10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1310nm single mode (SC)[20 km/12.4 mi.]

Link Budget: 16.0 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 802.3u
- IEEE 802.3x

### Data Rate

- 10 Mbps; 100 Mbps Layer 2

### MAC Address Table

- 1K

### Frame Buffer Memory

- 512 Kbits

### Max Frame Size

- 2048 bytes

### Switch

- SW1: Auto-Negotiation (UP = enabled)
- SW2: Forced 100 Mbps/10 Mbps with Auto-Neg. off (UP = 100 Mbps)
- SW3: Forced Full/Half-Duplex with Auto-Neg. off (UP = Full)
- SW4: Full/Half-Duplex on fiber port (UP = Full)
- SW5: Auto-MDI/MDIX on UTP (UP = enabled)
- SW6: Link Pass Through (UP = enabled)

10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1310nm single mode (SC)[20 km/12.4 mi.]

Link Budget: 16.0 dB

## 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

- FD (Fiber Duplex): ON= Full-duplex on fiber
- LACT (Fiber Link/Activity): ON = Fiber Link
- PWR (Power): ON=Connection to powered backplane
- (TP. Duplex/Link): Yellow = Half duplex, Green = Full-Duplex
- (TP. Speed): Yellow = 10Mbps, Green = 100 Mbps

## 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

10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1310nm single mode (SC)[20 km/12.4 mi.]

Link Budget: 16.0 dB

- Greater than 250,000 hours (MIL-HDBK-217F)
- Greater than 667,500 hours (Bellcore)

## Certifications

- CISPR/EN55022 Class A, FCC Class A, CE Mark, EN55024

## Warranty

- Lifetime

## Product variants & accessories

Art.-No.	Description
C2210-1014	10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1310nm single mode (SC)[20 km/12.4 mi.] Link Budget: 16.0 dB