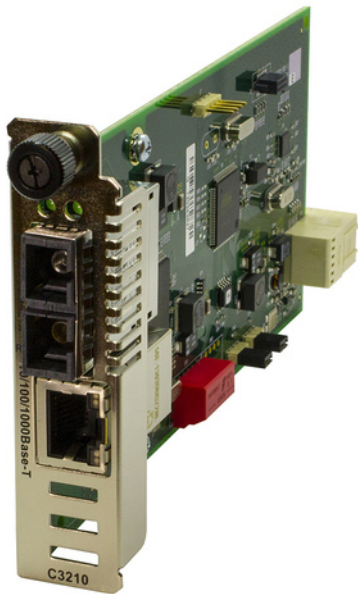


10/100/1000Base-T (RJ-45) [100 m] to 1000Base-LX 1310nm single mode (SC)[10 km/6.2 mi.] Link

Budget: 10.5 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%

Features

tde[®] C3210-1014

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10/100/1000Base-T (RJ-45) [100 m] to 1000Base-LX 1310nm single mode (SC)[10 km/6.2 mi.] Link

Budget: 10.5 dB

- Copper and Fiber Auto-Negotiation
- Switch Selectable Speeds
- Auto-MDI/MDIX
- Link Pass Through
- Remote Fault Detect
- Pause
- Automatic Link Restoration
- IEEE 802.1p QoS, IPv4 TOS/DiffServ, IPv6 traffic class
- IEEE 802.1Q Port VLAN, tagging and doubling tagging (Q in Q)
- Field Upgradeable Firmware
- Virtual Cable Test on UTP port
- Unidirectional data transmission
- Bandwidth Allocation
- DMI, digital diagnostics per SFF-8472
- RMON counters for each port
- Can be used in any ION Platform Chassis
- Secure unidirectional transmission
- Standards based, will link with any standard 10/100/1000Base-T and any standard 1000Base-SX or -LX ports

Technical Data

Standards

- IEEE 802.3
- IEEE 802.3ab
- IEEE 802.3u
- IEEE 802.3z
- IEEE 802.1p
- IEEE 802.1Q

Data Rate

- 10/100/1000 Mbps; Layer 2

10/100/1000Base-T (RJ-45) [100 m] to 1000Base-LX 1310nm single mode (SC)[10 km/6.2 mi.] Link

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Max Frame Size

- 10,240 Bytes (jumbo frame support)
- 1,632 Bytes when linked to an xGFEB10xx-120

Switch

- SW1: TP Auto-Negotiation
- SW2: TP Speed
- SW3: TP Duplex
- SW4: Link Pass Through
- SW5: Fiber Duplex
- SW6: Unused

Jumper

- Hardware/Software mode, Auto-MDI/MDIX

Status LEDs

- PWR (Power): ON = Connection to powered backplane
- LACT (Fiber Link): ON=Fiber link, Blinking=activity
- UTP Duplex/Link: Orange=half duplex link,
- Blinking = half duplex activity, Green = Full duplex link,
- Blinking =Full duplex activity,
- Off = 10 Mbps operation (or no link),
- Orange = 100 Mbps operation, Green = 1000 Mbps operation

Dimensions

10/100/1000Base-T (RJ-45) [100 m] to 1000Base-LX 1310nm single mode (SC)[10 km/6.2 mi.] Link

Budget: 10.5 dB

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

Power Consumption

- 3.6 Watts, 300mA @ 12 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

10/100/1000Base-T (RJ-45) [100 m] to 1000Base-LX 1310nm single mode (SC)[10 km/6.2 mi.] Link

Budget: 10.5 dB

- CISPR/EN55022 Class A, EN55024, EN61000,
- FCC Class A, CE Mark

Warranty

- Lifetime

Product variants & accessories

Art.-No.	Description
C3210-1014	10/100/1000Base-T (RJ-45) [100 m] to 1000Base-LX 1310nm single mode (SC)[10 km/6.2 mi.] Link Budget: 10.5 dB