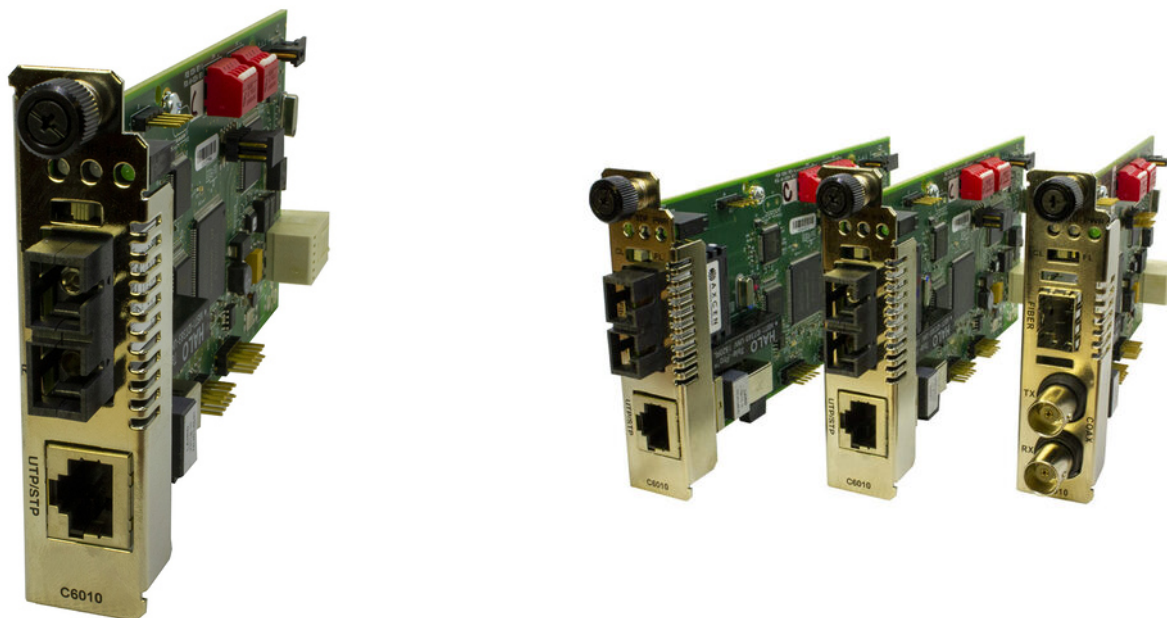


Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 1300nm (SC) [2 km/1.2 mi.] Link Budget: 12.0 dB



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%



tde[®] trans data elektronik GmbH

Headquarter address:

Lingener Str. 2
D-49626 Bippen/Ohrte
Tel.: +49 5435 9511 0
Fax.: +49 5435 9511 32

Sales office address:

Prinz-Friedrich-Karl-Str. 46
D-44135 Dortmund
Tel.: +49 231 8805 61 13
Fax.: +49 231 8805 61 15

info@tde.de | www.tde.de

Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 1300nm (SC) [2 km/1.2 mi.] Link Budget: 12.0 dB

The ION C6010 is a managed media converter that offers a solution for extending T1/E1 or PRI connections over fiber optic cabling. It provides fiber extension through a twisted pair RJ-48 port and a fiber port. These T1/E1 converters must be used in pairs, one on each end of the fiber link. Typical installations include a chassis card installed in a centrally located managed ION chassis, linked over fiber to a S6010 stand-alone converter at the remote location. The T1/E1 converters are available with fixed fiber connectors or an open SFP slot, with support for various fiber types, distances, and wavelengths to provide maximum flexibility for any network topology. CWDM SFPs can also be used to further increase the bandwidth capacity of the fiber infrastructure.

Features

- Remote in-band management
- Local or Remote Loopbacks – Copper or Fiber
- Switch selectable for T1 or E1
- Remote firmware upgrade
- LEDs for immediate visual status
- Supports dual or single fiber
- Supports multimode and single mode fiber at a variety of distances
- Supports CWDM SFPs
- SNMP management when used with ION chassis and management module
- Remote stand-alone can be managed by local peer
- Extend PRI over fiber
- Must be used in pairs

Technical Data

Standards

- ANSI T1.102
- T1.402
- T1.408
- ITU I.431
- G.703
- G.736
- G.775
- G.823
- ETSI 300-166
- ETSI 300-233
- TBR12/12

Connectors

Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 1300nm (SC) [2 km/1.2 mi.] Link Budget: 12.0 dB

- Copper Connectors RJ-48, BNC
- Fiber Connectors SFP: LC connector Uses standard 100Base-X/OC-3
- SFP Fixed Optics: ST or SC connector

Data Rate

- T1 = 1.544 Mbit/s, E1 = 2.048 Mbit/s

Status LEDs

- Power, Signal Detect Copper, Signal Detect FiberK

Dimensions

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

Power Consumption

- 2.6 Watts

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-HDBD-217F)
- Greater than 687,000 hours (Bellcore)

Certifications

Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 1300nm (SC) [2 km/1.2 mi.] Link Budget: 12.0 dB

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

Warranty

- Lifetime

Product variants & accessories

| Art.-No. | Description |
|------------|--|
| C6010-1013 | Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 1300nm (SC) [2 km/1.2 mi.] Link Budget: 12.0 dB |