10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1300nm multimode (ST) [2 km/1.2 mi.] Link Budget: 11.0 dB

\*\*Lantronix / Transition Networks

\*\*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%

\*\*Converters and Device Servers

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
• Auto-MDI/MDIX enable/disable

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

\*\*TECHNISCHE\_DATEN

\*\*\*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)

\*\*\*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

• 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