

(1) 100/1000Base-X SFP port + (2) 10/100/1000Base-T PoE+ ports



## 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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## (1) 100/1000Base-X SFP port + (2) 10/100/1000Base-T PoE+ ports

The SI-IES-121D-LRT is a (3) port unmanaged hardened PoE+ injector / converter that adds up to 30 Watts of power from its (2) PoE+ ports onto 2 network segments. The gigabit speed SFP slot provides the ultimate flexibility by allowing fiber SFP uplink ports with varying communication distances.

### Features

- IEEE 802.3at PoE+ to supply 30 Watts per port
- Supports IEEE 802.3af
- Supports dual speed for SFP slot
- Non-blocking architecture
- Compact, space saving size
- IP31 housing protection
- Link Pass Through
- Extended operating temperature (-40°C to 75°C)
- DIN Rail mount / optional wall mount brackets included
- Full/half-duplex flow control
- Auto-MDI/MDIX
- Auto-Negotiation
- Store-and-forward transmission
- 10K byte jumbo frames

### Technical Data

#### Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 802.3at
- IEEE 802.3z
- IEEE 802.3af

#### Max Jumbo Frames

- 10K byte jumbo frames

#### Connectors

- (1) DATA IN 100/1000Base-X SFP Ethernet Port

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- (2) DATA OUT 10/100/1000Base-T PoE+ RJ-45 Ethernet Port 30 Watts

## Data Rate

- 10/100/1000 Mbps

## Status LEDs

- Copper Port: Link/ACT
- Copper Port: Gigabit Transmission
- SFP Port: Link/ACT
- PoE Power
- Input Power

## Dimensions

- Width: 1.44" [36.7 mm]
- Depth: 3.72" [94.5 mm]
- Height: 4.26" [108.4 mm]

## Power Consumption

- 3.53 Watts (No PoE)
- 63.5 Watts (2 ports PoE)

## Power Input

- 48-57VDC
- Higher Voltage (50-53VDC) may be required for some high powered PD loads

## Ingress Protection

- IP31

## Environment

- Operating: -40°C to 75°C
- Storage: -40°C to 85°C
- Humidity: 10% to 95% (non-condensing)

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- Altitude: 0 – 10,000 ft.

## Weight

- 1.3 lbs. [0.59 kg]

## MTBF

- 717,339 Hours Bellcore Ground Benign, Controlled; Temp 30°C
- 613,639 Hours Bellcore Ground Fixed, Uncontrolled; Temp 30°C

## Certifications

- Safety: UL508, Class 1, Division 2, Groups A, B, C, and D Hazardous Locations, CE Mark, FCC Class A, EN55011,
- EN55022/EN61000-6-4 (EMC),
- EN55024/EN61000-6-2 (Immunity),
- EN61000-4-2 (ESD),
- EN61000-4-3 (RS),
- EN61000-4-4 (EFT),
- EN61000-4-5 (Surge),
- EN61000-4-6(CS)
- EN61000-4-8 (Magnetic Field),
- IEC60068-2-27(Shock),
- IEC60068-2-32 (Free fall),
- IEC60068-2-6 (Vibration)

## Warranty

- Lifetime

## Product variants & accessories

Art.-No.	Description
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