

Unmanaged Hardened PoE+ Injector/Converter

(1) 100/1000Base-X SFP Slot + (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

Specifications

| | | |
|--------------------|--|--|
| Standards | IEEE 802.3 IEEE 802.3x IEEE 802.3at IEEE 802.3af | IEEE 802.3u IEEE 802.3ab IEEE 802.3z |
| Max Frame Size | 10K byte jumbo frames | |
| Connectors | (1) DATA IN 100/1000Base-X SFP Ethernet Port (2) DATA OUT 10/100/1000Base-T PoE+ RJ-45 Ethernet Port 30 Watts | |
| 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) 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 | |

Ordering Information

SI-IES-121D-LRT

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

Optional Accessories (sold separately)

SFP Modules

OCA-P181610

18x16x10" Polycarbonate Enclosure

Industrial Power Supplies:

(sold separately)

25131

Input: 88-264VAC, 124-370VDC
Output: 48-55VDC, 1.6A, 76.88 Watts

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lantronix:

SI-IES-121D-LRT