

### Unmanaged Hardened PoE++ Injector

**(1) 10M/100M/1G/2.5G/5G/10GBase-T(X) Port + (1) 10M/100M/1G/2.5G/5G/10GBase-T(X) PoE++ Port**

The SI-IES-5200-LRT is an unmanaged hardened multi-Gigabit PoE++ injector that adds up to 90 Watts of power on a network segment. This injector is designed specifically to meet the demand of higher bandwidth (up to 10G), higher power (up to 90W) devices such as wireless access points, multi-lens surveillance cameras, license plate readers and other IP networked devices in locations where a power source is not readily available. It provides a high level of immunity against electromagnetic interference and heavy electrical surges typical of environments like manufacturing floors or curb-side traffic control cabinets. The SI-IES-5200-LRT is certified to ensure safe and reliable operation in temperatures between -40°C to +75°C.



### Key Features

- Supports IEEE 802.3af/at/bt
- Multi-Gig 10M/100M/1G/2.5G/5G/10G data transmission
- Non-blocking architecture
- Compact size
- IP31 housing
- Redundant power input
- Reverse Polarity Protection
- Overload Current Protection
- Extended operating temperature (-40°C to +75°C)
- DIN Rail mount / optional wall mount brackets included

### Specifications

Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3bz 2.5GBase-T/5GBase-T Ethernet IEEE 802.3an 10GBase-T Ethernet IEEE 802.3af PoE IEEE 802.3at PoE+ IEEE 802.3bt PoE++
Connectors	(1) DATA IN RJ-45 10M/100M/1000M/2.5G/5G/10GBase-T(X) Ethernet Port (1) DATA OUT PoE++ RJ-45 10M/100M/1000M/2.5G/5G/10GBase-T(X) Ethernet Port with 90W PoE Output Power
Protocol	CSMA/CD
Status LEDs	PW1 (Green): ON=power detected PW2 (Green): ON=power detected PoE (Amber): ON=PD is detected on designated port
PoE Pin Assignment	Pin 1 (V-), 2(V-), 3(V+), 6(V+) Pin 4 (V+), 5(V+), 7(V-), 8(V-)
PoE Power	90W
Power Input	54-56VDC, 4-pin terminal block
Power Consumption	4W @ 56VDC (No PoE) 101.4W @ 56VDC (Full PoE)
Ingress Protection	IP31
Surge Protection	2kV Surge Immunity
Dimensions	Width: 32 mm (1.26") Depth: 81.5 mm (3.21") Height: 103.5 mm (4.075") (without terminal block); 113.1 mm (4.453") (with terminal block)
Environment	Operating: -40°C to +75°C Storage: -40°C to +85°C Humidity: 5% to 95% (non-condensing) Altitude: TBD
Weight	0.18 kg (0.4 lbs)
MTBF	594,472 hrs Telcordia (Bellcore), BG at 50°C
Certifications	EN62368-1 (LVD) Safety UL62368-1 (MET) FCC, CE/UKCA, EN 55032/35 (EMC) EMI CISPR 32, FCC Part 15B Class A IEC61000-4-2 (ESD): Contact 6kV, Air 8kV IEC61000-4-3 (RS) IEC61000-4-4 (EFT): Power 2kV, Signal 2kV IEC61000-4-5 (Surge): Power 2kV, Signal 2kV IEC61000-4-6 (CS) IEC61000-4-8 (Magnetic Field) EN50058-2-6 (Vibration) EN60068-2-27 (Shock) EN60068-2-32 (Free Fall)
Warranty	5 years

### Ordering Information

#### SI-IES-5200-LRT

- (1) 10M/100M/1G/2.5G/5G/10G TX Port +
- (1) 10M/100M/1G/2.5G/5G/10G TX PoE++ Port

#### Industrial Power Supplies (sold separately)

##### 25105

- Input 88-264VAC, 124-370VDC
- Output 48-55VDC, 2.5A, 120W

##### 25104

- Input 85-264VAC, 124-370VDC
- Output 48-55VDC, 5.0A, 240W

#### PS-DC-DUAL-5624T

- Input 100-240VAC
- Output 56V, 5.7A, 315W

#### Optional Accessories (sold separately)

##### SFP Modules

##### OCA-P181610

- 18x16x10" Polycarbonate Enclosure