

INJ-SPL01

GbE, IEEE802.3af/at PoE Splitter, output voltage 12/19/24VDC selectable



- Splits power and data from PoE Input
- Supports PoE IEEE802.3af/at A mode (1,2,3,6) or B mode (4,5,7,8)
- Selectable output voltage, 12/19/24VDC select by slide SW
- Compliant with 10/100/1000Base-T(X)
- IP30 rugged metal housing and fanless

Ver.2022 Jan

INJ-SPL01 is an Industrial Grade, Gigabit Ethernet, PoE Splitter, designed to deliver data, via RJ-45 Ethernet connector, and electrical power, via screw terminal block, to non-PoE devices. This device saves the high cost of running separate electrical service to edge devices. The INJ-SPL01 acts as PD equipment and can be powered by standard PoE IEEE802.3af/at PSE (Power Source Equipment) switches or work when paired with either INJ-IG01-PH or INJ-IG60-24 PoE Injectors. The data transmission, up to Gigabit speeds, with selectable power output voltages of 12V, 19V or 24V DC, run simultaneously up to the Ethernet limit of 100 meters. Simple settings of the INJ-SPL01, make it a plug and play device, requiring no tools or software configuration, and provides ease of use, with flexible installation and high reliability.

Features

- Splits power and data from PoE Input
- Supports PoE IEEE802.3af/at A mode (1,2,3,6) or B mode (4,5,7,8)
- Selectable output voltage, 12/19/24VDC select by slide SW
- Supports output power upto 12VDC/1.4A, 19VDC/1.05A, or 24VDC/0.85A
- Compliant with 10/100/1000Base-T(X)
- CE, FCC, Railway traffic EN50121-4 certified
- Heavy industrial grade EMS, EMI, EN61000-6-2, EN61000-6-4 certified
- Wide operating temperature -40 ~ 75°C (INJ-SPL01-E)
- IP30 rugged metal housing and fanless

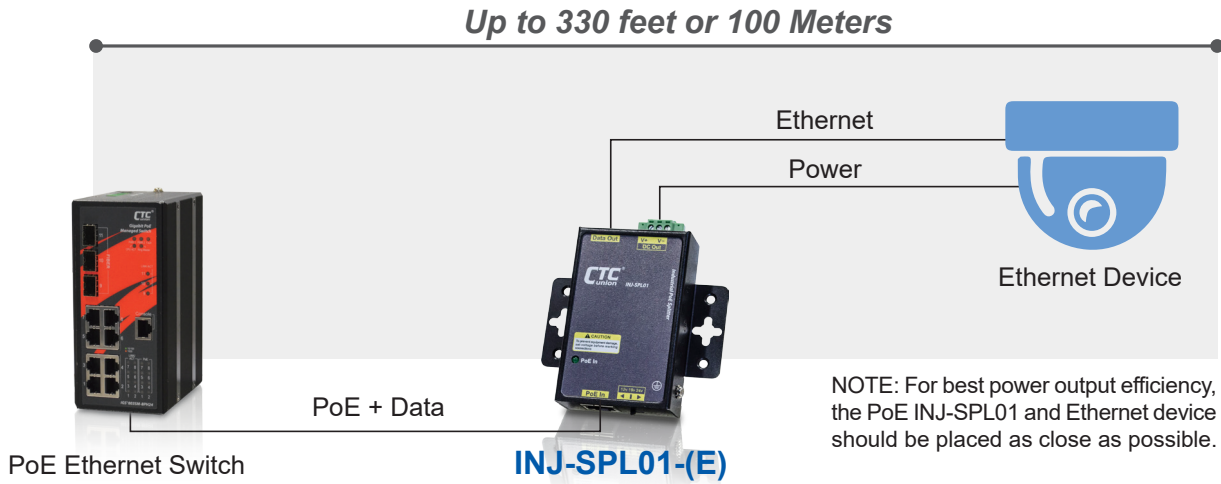
Specifications

IEEE Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE802.3af PoE (Power over Ethernet) IEEE802.3at PoE+ (Power over Ethernet enhancements)
PoE In	PoE Standard PoE Standard IEEE 802.3af, IEEE802.3at Support both PoE A mode or B mode (don't need select) A mode: Positive (V+): RJ-45 pin 1, 2. Negative (V-): RJ-45 pin 3, 6. B mode: Positive (V+): RJ-45 pin 4,5. Negative (V-): RJ-45 pin 7,8 Support 10/100/1000Base-T(X) Data (1, 2, 3, 6, 4, 5, 7, 8)
Output voltage & power	12, 19, 24VDC select by slide switch 12VDC: 1.4A, 19VDC: 1.05A, 24VDC: 0.85A with Removable terminal block
Data out	RJ45 10/100/1000Base-T(X)
Network Cable	UTP/STP above Cat. 5e cable EIA/TIA-568 100-ohm (100m)
LED	PoE in (Green)
Power Supply	Powered from PoE in, IEEE802.3af/at 44~57VDC, 30W Max
Output Power	12VDC, 1.4A (max) 19VDC, 1.05A (max) 24VDC, 0.85A (max)
Operating Temperature	-10 ~ 60°C (INJ-SPL01) -40 ~ 75°C (INJ-SPL01-E)
Operating Humidity	5% to 95% (Non-condensing)

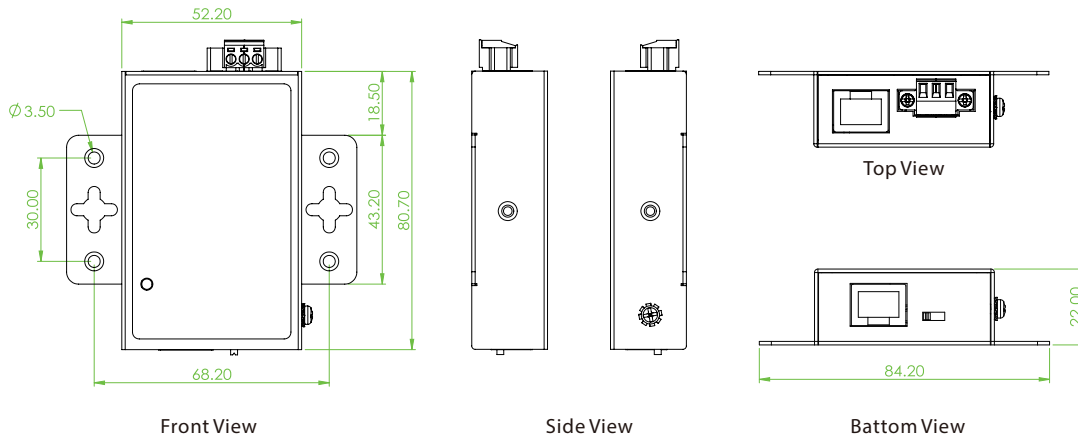
Storage Temperature	-40 ~ 85°C
Housing	Rugged Metal, IP30 Protection and fanless
Dimensions	22 x 84.2 x 80.7 mm (D x W x H)
Weight	85g
Installation Mounting	Wall Mounting
MTBF	3,371,427 Hours (MIL-HDBK-217)
Warranty	5 years
Certification	
EMC	CE (EN55032, EN55035)
EMI	FCC Part 15 Subpart B Class A, CE
Railway Traffic	EN50121-4
Immunity for Heavy Industrial environment	EN 61000-6-2
Emission for Heavy industrial environment	EN 61000-6-4
EMS (Electromagnetic Susceptibility) Protection Level	EN61000-4-2 (ESD) Level 3, Criteria B EN61000-4-3 (RS) Level 3, Criteria A EN61000-4-4 (EFT) Level 3, Criteria A EN 61000-4-5 (Surge) Level 3, Criteria B EN 61000-4-6 (CS) Level 3, Criteria A EN61000-4-8 (PFMF) Field strength 300A/m Criteria A
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-31
Vibration	IEC 60068-2-6

Application

Figure 1: INJ-SPL01 application topology



Dimensions



Ordering Information

Model Name	PoE In		Power & Data Out		Certification			Operating Temperature
	10/100/1000 Base-T(X)	IEEE802.3af/at	10/100/1000 Base-T(X)	Output Voltage selectable 12/19/24VDC	EN61000-6-2 EN61000-6-4	EN50121-4	CE/FCC	
INJ-SPL01	1	1	1	V	V	V	V	-10~60°C
INJ-SPL01-E	1	1	1	V	V	V	V	-40~75°C

Package List

- INJ-SPL01 device
- Terminal block