

# SW-INJ20

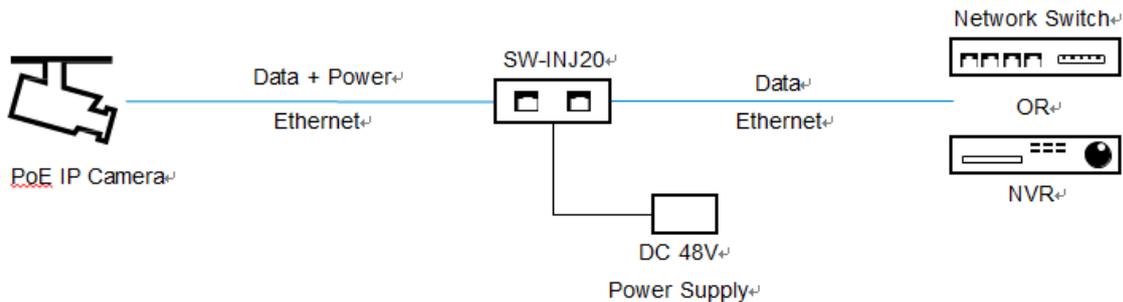
Hardened Gigabit 1-port Ethernet Input + 1-port PoE+ Output Injector

## Features

- ⦿ 1 RJ45 Ethernet Data Input Port + 1 RJ45 Power over Ethernet Output Port (Data + Power)
- ⦿ Support IEEE802.3at Power over Ethernet (PoE+) Power Sourcing Equipment
- ⦿ Support 10/100/1000Base-TX
- ⦿ Support DIN-Rail & Wall-mount installation
- ⦿ Extensive LED indicators for PoE diagnostics
- ⦿ Environmentally hardened -40°C to 75°C (-40°F to 167°F) operating temperature



## Typical Application



## Specifications

### Ethernet

Standards: IEEE802.3af/at Power of Ethernet

Processing Type: Forward

Half-duplex, Full duplex

Forward Filter Rate: 1,488,000pps (1000Mbps)

Cabling: 1000Base-TX: Cat5 or above

Maximum Distance: Cat5 UTP up to 100m

Connector: 2 x RJ45

### Electrical and Mechanical

Input Power: 12~48VDC (Terminal Block)

Power Consumption: 35W Max

### LED Indicators

Power: Power Status

PoE: PoE Status

Standard: IEEE802.3at

Port: RJ45

Max. Power: 30W Max (Alternative B Mode)

Dimensions (W x D x H): 96 x 80 x 31mm

Weight: 0.2Kg

Casing: Aluminum case

Mounting Options: DIN Rail/Wall Mount

### Environmental Limits

Operation Temperature: -40°C to 75°C (-40°F to 167°F)

Storage Temperature: -40°C to 85°C (-40°F to 185°F)

Relative Humidity: 0% to 95% no condensation

MTBF: >200,000 hrs

### Regulatory Approvals

ISO9001

FCC Part 15 Class A

EN55022:2006+A1:2007 Class A

Surge Protection:

RJ45: 1kV

Power: 500V

ESD: 4kV/8kV

**Ordering Information**

Available Model	Description
SW-INJ20	Hardened Gigabit 1-port Ethernet Input + 1-port PoE + Output Injector
<b>Optional Accessories (to be purchased separately)</b>	
Power supply	Please refer to the power supply information at the back of the catalogue, our website <a href="http://www.3onedata.com">www.3onedata.com</a> , or contact gaonet sales at sales @3onedata.com for your power system design properly.
<b>Package Checklist</b>	
Hardened Gigabit PoE Injector x 1	
Wall Mount plates x 1	
DIN-Rail Clip x 1	
Quick Installation Guide x 1	