



## Product Data Sheet

# POE201-MS/4

## 4-Port Fast Ethernet/PoE-af Mid-span Injector

### Overview

The IFS 4-Port Fast Ethernet/PoE-af Mid-span Injector is a quick and easy solution that can be used when a network device does not provide the functionality as a power source equipment (PSE), such as a non-PoE switch, and yet several edge devices being deployed are PoE powered devices (PD).

This module provides the ability to combine Ethernet data and PoE on four individual category cables for deployment of up to four PoE powered edge devices of up to 100m (328 ft.). This provides a cost-effective and efficient power distribution cable management solution for a PoE-centric IP network.

The 100m (328 ft.) distance is based on the EIA-568 standard and is the maximum distance between two Ethernet devices. The IFS 4-Port Fast Ethernet/PoE-af Mid-Span Injector can be deployed at any location within the 100m (328ft.) cable run; however, typically this device would be installed closer to the non-PoE device.

This device facilitates easier network planning by eliminating restrictions of edge device placement near AC power outlets and reduces the need for AC wiring and installation costs while delivering higher reliability.



### Standard Features

- Compact size
- Plug-and-play design
- Standalone or wall-mount installation
- Can be used with the IFS SP-PoE splitter or other IEEE 802.3af compliant devices
- Supports 10/100Base-TX Ethernet
- Complies with IEEE 802.3/802.3u
- Complies with IEEE 802.3af PoE Standard
- PoE Circuit
- Auto-detect of PoE IEEE 802.3af equipment providing protection from incorrect installation
- Current overload detect
- Four RJ-45 connectors for data
- One power connector for power input
- Four RJ-45 connectors for data and 48VDC output to a single Category cable

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### Specifications

#### Ethernet

- Data Rate : 10/100Mbps
- Throughput (packet per second): 148800pps@64Bytes
- IEEE Standards: IEEE 802.3 Ethernet, IEEE 802.3u Fast Ethernet, IEEE 802.3af Power over Ethernet
- EIA/TIA-568 Standards : Category 5/5e cable

#### Power Over Ethernet (PoE)

- PoE Standard : IEEE 802.3af Power over Ethernet / PSE
- PoE Power Supply Type : Mid-Span / Type B
- PoE Output Pin Assignment : 4/5(+), 7/8(-)
- PoE Output Power : 48VDC @ 350mA, 15.4 watts max.

#### Connectors and Indicators

- Ethernet + DC Out : 4 x RJ-45 connectors (10/100Base-TX with IEEE 802.3af PoE PSE for data + DC out)
- Ethernet Data : 4 x RJ-45 connectors (10/100Base TX for data in)
- DC Input : DC receptacle
- LED Indicator : 1-power; 4-PoE Ready/In-use

#### Electrical and Mechanical

- Input Power : 48VDC, 1.5mA max.
- PoE Output Power : 48VDC @ 350mA, 15.4 watts max.
- Maximum Powered Devices : 1 per port (4 individual total)
- Enclosure : Metal
- Dimensions (H x W x D) : 1.02 x 2.76 x 3.82 in.; (26 x 70 x 97mm)
- Weight : 0.49 lbs. / 220g

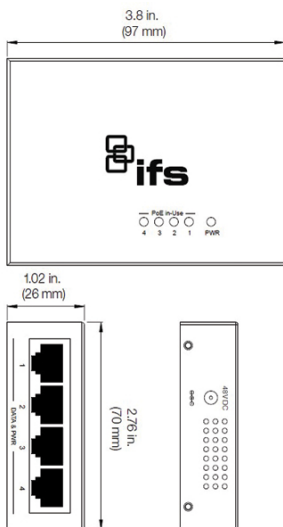
#### Environmental

- MTBF : >50,000 hrs. @ 25°C
- Operating Temperature : 0°C - 50°C
- Storage Temperature : -20°C - 70°C
- Relative Humidity : 0%–90% (non-condensing)

#### Accessories

- PS48VDC65W-EU : 100-240V AC Input 48V DC 1.35Amp Output Power Supply Brick model EU plug
- PS48VDC65W-UK: 100-240V AC Input 48V DC 1.35Amp Output Power Supply Brick model UK plug

### Diagram



### Ordering Information

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