

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

Installation

- 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

Standards Compliance

- 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
- PoE Ready/In-use LED indicator

Physical Ports

- 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

Network Cable

- For use with EIA568 Category 5 or better cables
- Can deploy data and PoE on four individual Category cables up to 100m (328 ft.) to four individual PoE powered (PD) edge devices

Warranty

- 3-year Warranty

POE201-MS/4

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

North America
T 855-286-8889

Asia
T 852-2907-8108

Australia
T 61-3-9239-1200

Europe
T 32-2-725-11-20

Latin America
T 561-998-6114

Specifications

Ethernet	Description
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

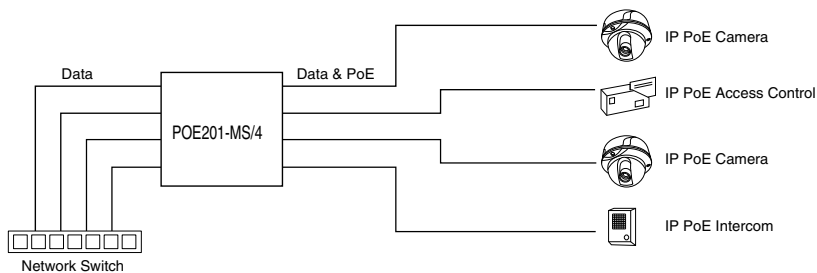
Electrical and Mechanical

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)

Typical Application



Ordering Information

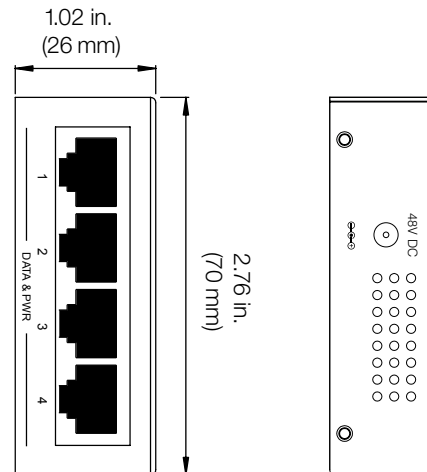
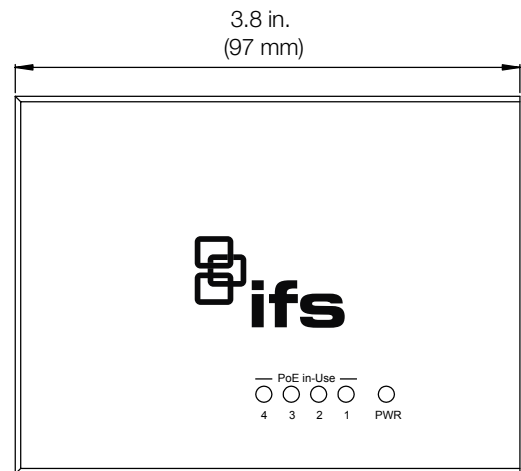
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Note: External power supply must be ordered separately.

Accessories

PS48VDC65W-US	48VDC@1.35A (65w) Power supply
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Dimensional Diagrams



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Specifications subject to change without notice.

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210-3565 2012/10 (71654G)