



Product Data Sheet

POE302-SP

Power over Gigabit Ethernet Splitter (PoE+)

Overview

The IFS Power over Gigabit Ethernet Splitter provides the ability to use IEEE 802.3at power source equipment (PSE) as part of a cost-effective and efficient power distribution cable management solution for non-PoE Ethernet edge devices.

By using a PoE enabled Ethernet device, such as an Ethernet PoE switch or other PSE type device, Ethernet data and PoE (56VDC) can be transferred up to 100 meters (328 ft.) on a single network cable.

At the point of deployment, the IFS Power over Gigabit Ethernet Splitter can be used to separate Ethernet data and provide 12VDC or 24VDC power to a non-PoE edge device on the network. 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

- Plug-and-play PoE Self-powered design
- Can be used with the IFS POE302-MS Injector or other PSE IEEE 802.3at compliant devices
- Supports 10/100/1000Base-TX Ethernet
- Auto-detect of PoE IEEE 802.3at equipment providing protection from incorrect installation
- Current overload detection
- PoE Ready/In-use LED indicator
- One power connector for power output to a non-PoE device
- Dip-switch selectable DC voltage output 12VDC@2A max. or 24VDC@1A max.
- Can be deployed up to 100m (328 ft.) from Power Sourcing Equipment (PSE)

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Specifications

Ethernet

- Data Rate 10/100/1000Mbps
- IEEE Standards IEEE802.3 10Base-T Ethernet / IEEE 802.3u 10/100 BaseTX Ethernet / IEEE 802.3ab 1000TX Ethernet / IEEE 802.3at Power over Ethernet/PD
- EIA/TIA-568 Standards 10 Base-T 2 pair UTP Cat 3,4,5 to 328 ft. (100m) / 100 Base-TX 2 Pair UTP Cat 3,4,5,5e to 328 ft. (100m) / 1000 Base-T 2 Pair UTP Cat 5,5e,6 to 328 ft. (100m) / EIA/TIA-568 100ohm (100m)

Power Over Ethernet (PoE)

- PoE Standard IEEE 802.3at Power over Ethernet / PD
- PoE Input Pin Assignment 1/2(+), 3/6(-) End-Span or 4/5(+), 7/8(-) Mid-Span
- PoE Input Voltage 56VDC

Connectors & Indicators

- Ethernet + DC In 1 x RJ-45 connector (10/100/1000Base-TX - IEEE 802.3at PoE PD for Data + DC in)
- Ethernet Data 1 x RJ-45 connector (10/100/1000Base TX for data out)
- DC Output 5.5 x 2.5 mm DC receptacle
- LED Indicator PoE Ready/In-use

Electrical and Mechanical

- Input Power Powered by 56VDC PoE from PSE device on RJ-45 connector
- Output Power 12VDC @ 2A max. or 24VDC @ 1A max. (DIP-switch selectable); 12W max.
- Maximum Powered Devices 1
- Enclosure Metal
- Dimensions (W x D x H) 3.7 x 2.7 x 1 in. (95 x 70 x 25mm)
- Weight 0.4 lbs. / 111g

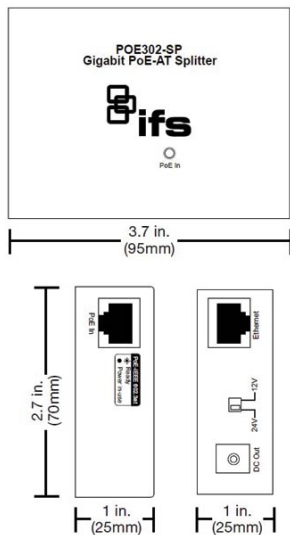
Environmental

- MTBF 50,000 hrs. @ 25°C
- Operating Temperature 0°C~50°C
- Storage Temperature -20°C~70°C
- Relative Humidity 5% - 90% (non-condensing)

Standards Compliance

- Regulatory FCC Part 15 Class A, CE
- EMI EN 55022, Class B; EN61000-3-2; EN61000-3-3
- EMS EN 55024

Diagram



Ordering Information

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