

# POE304-EX-4P

## POE-bt to Gigabit Ethernet 4-port PoE+ Extender

### Overview

The IFS POE304-EX-4P is remotely powered via Ethernet cable from either the IFS POE304-MS injector or IFS NS3503-16P-4C PoE-Ultra Network Switch eliminating the need for local power requirements. The POE304-EX-4P can then transmit up to 4-ports of Ethernet data and PoE-af/at power dependent on the Powered Devices (PD) power demand.

The IFS PoE-Ultra Solution facilitates easier network planning by eliminating restrictions of edge device placement near AC power outlets and reducing the need for AC wiring and installation costs.



### Details

- 4-Port POE+ Switch powered by 1 x POE-bt input
- Up to 55 watts shared POE power
- Plug-and-play self-powered design
- Can be used with an IFS PoE-Ultra Injector or other POE-Ultra compliant PSE equipment
- Supports 10/100/1000Base-T Ethernet
- Auto-detect of PoE equipment providing protection from incorrect installation
- Current overload detection
- LED Indicators for PoE In, PoE Out, Data
- Can be daisy-chained to extend data and PoE on a single network cable a maximum of 300m.

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### Technical specifications

#### General

Category	PoE Accessory
Port speed	Gigabit

#### Physical

Physical dimensions	56 x 87 x 135 mm
Net weight	715 g

#### Environmental

Operating temperature	-40 to +75°C
Storage temperature	-40 to +85°C
MTBF	>50,000 hrs. @ 25°C

#### Electrical

Power consumption	60 W
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#### Ethernet

Data Rate	10/100/1000Mbps
Max Throughput (packet per second)	7.44Mpps at 64 Bytes
IEEE Standards	IEEE 802.3 Ethernet / IEEE 802.3u Fast Ethernet / IEEE 802.3ab Gigabit Ethernet
Latency	1765 ns (at 64 Byte Frame)
Maximum Frame Size	9 Kbytes
EIA/TIA-568 Standards	Category 5/5e cable

#### Power Over Ethernet (PoE)

PoE Standard	IEEE 802.3at High Power over Ethernet PSE / Mid-Span / IEEE 802.2at High Power over Ethernet PD / Mid-Span
PoE Power Supply Type	POE-bt (No external power adaptor required)
PoE Output Pin Assignment	4/5(+), 7/8(-)
PoE Output Power with Multiple Extenders	4 x POE-af/at per port, 50 W max. shared power budget.

#### Connectors & Indicators

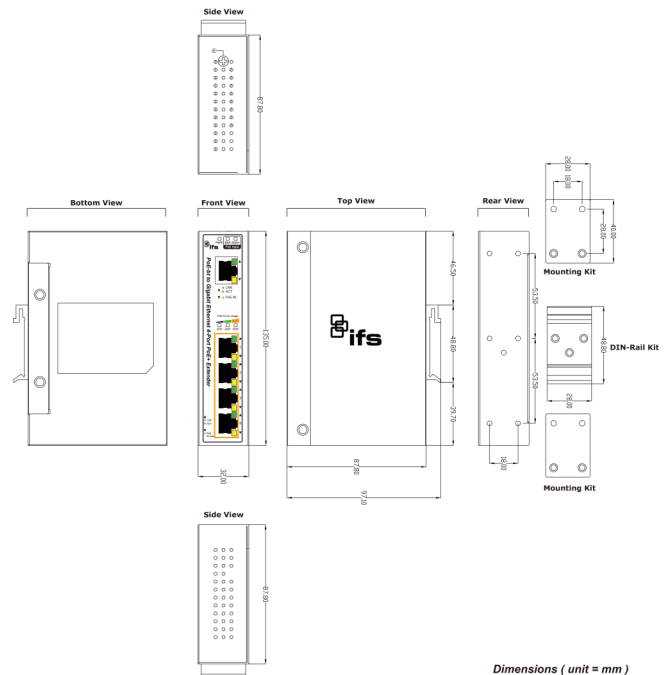
Ethernet + PoE In	1 x RJ-45 connector
Ethernet + PoE Out	4 x RJ-45 connector
LED Indicator	PWR (Green), PoE Power In (Mid-Span/End-Span - 2 x Green), PoE Power Meter (3 x Green), Input Port - LNC/ACT (Green) PoE (Amber), Per Port Output - LNC/ACT (Green) PoE (Amber)

#### Electrical & Mechanical

Input Power	Powered by POE-bt (PoE Switch or Mid-Span Injector)
Maximum Powered Devices	4
Enclosure	Metal
Dimensions (W x D x H)	135 x 88 x 56mm
Weight	715 g
Power consumption	5 watts from PoE uplink

#### Standards Compliance

Regulatory	FCC Part 15 Class A, CE
EMI	EN 55022 CLASS A / EN61000-3-2 / EN61000-3-3
EMS	EN 55024 / IEC 61000-4-2 / IEC 61000-4-3 / IEC 61000-4-4 / IEC 61000-4-5 / IEC 61000-4-6 / IEC 61000-4-8 / IEC 61000-4-11 / IEC/EN 60950-1



Dimensions ( unit = mm )

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