POE304-EX-4P-V2

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

Overview

The IFS POE304-EX-4P-V2 is remotely powered via Ethernet cable from a PoE-bt injecting device eliminating the need for local power requirements. The POE304-EX-4P-V2 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-bt 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 95W)
- Up to 75 watts shared POE power
- Plug-and-play self-powered design
- Can be used with an IFS PoE-Ultra Injector or other POE-bt 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 Extender
Port type	10/100/1000
Port speed	Gigabit

Electrical

Power consumption	75 W

Physical

Physical dimensions	32 x 87 x 135 mm
Net weight	430 g

Environmental

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

Ethernet

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
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, 75 W max. shared power budget.

Connectors & Indicators

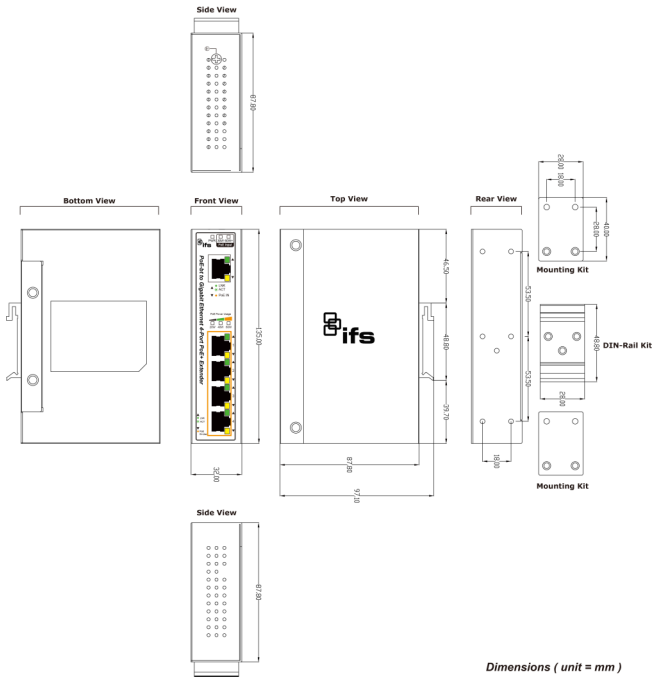
Ethernet + PoE In	1 x RJ-45 connector
Ethernet + PoE Out	4 x RJ-45 connector
LED Indicator	PWR (Green), PoE Power In (Mid-Span/End-Span - 2 x Green), PoE Power Meter (3 x Green), Input Port - LNC/ACT (Green) PoE (Amber), Per Port Output - LNC/ACT (Green) PoE (Amber)

Electrical & Mechanical

Input Power	Powered by POE-bt (PoE Switch or Mid-Span Injector)
Maximum Powered Devices	4
Enclosure	Metal
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



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