

POE303-EX-4P

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

Overview

The IFS POE303-EX-4P is remotely powered via Ethernet cable from either the IFS POE303-MS injector or IFS NS3503-16P-4C PoE-Ultra Network Switch eliminating the need for local power requirements. The POE303-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.



Standard Features

- 4-Port POE+ Switch powered by 1 x POE-Ultra 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.

POE303-EX-4P

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

Specifications

| 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-Ultra (No external power adapter 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-Ultra (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 |
| Environmental | |
| MTBF | >50,000 hrs. @ 25°C |
| Operating Temperature | -40° to 75°C |
| Storage Temperature | -40° ~ 85°C |
| Relative Humidity | 5% ~ 90% (non-condensing) |
| 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 |

Ordering Information

| Part No. | Description |
|--------------|--|
| POE303-EX-4P | POE-Ultra to Gigabit Ethernet 4-port PoE+ Extender |

