

PoE and Ethernet Data Extender

POE201-EX

Specifications

Ethernet	
Data Rate	10/100Mbps
Throughput (packet per second)	148810pps@64Bytes
IEEE Standards	IEEE 802.3 Ethernet / IEEE 802.3u Fast Ethernet / IEEE 802.3x Flow Control
Latency	7.840micros
Maximum Frame Size	1552 Bytes
EIA/TIA-568 Standards	Category 5/5e cable
Power Over Ethernet (PoE)	
PoE Standard	IEEE 802.3af Power over Ethernet PSE / Mid-Span / IEEE 802.2af Power over Ethernet PD / Mid-Span
PoE Power Supply Type	Mid-Span / Type B (No external power adapter required)
PoE Output Pin Assignment	4/5(+), 7/8(-)
PoE Output Power with Multiple Extenders	Class 1 (3.8 watts) 300m / Class 2 (6.5 watts) 300m / Class 3 (12.9 watts) 200m / Non-PoE (Data Only) 300m
Connectors & Indicators	
Ethernet + PoE In	1 x RJ-45 connector (10/100Base-TX & 802.3af PD Mid-Span)
Ethernet + PoE Out	1 x RJ-45 connector (10/100Base TX & 802.3af PSE Mid-Span)
LED Indicator	1 PoE In, 1 PoE Out, 1 Data LNK/ACT
Electrical & Mechanical	
Input Power	Powered by 48VDC from PoE Switch or Mid-Span Injector @ IEEE 802.3af
PoE Output Power	48VDC @ 270mA, 13 watts
Maximum Powered Devices	1
Enclosure	Metal
Dimensions (W x D x H)	3.7 x 2.75 x 1 in. (94 x 70 x 26mm)
Weight	0.47 lbs/215g
Power consumption	2 watts from PoE uplink
Environmental	
MTBF	>50,000 hrs. @ 25°C
Operating Temperature	0° ~ 50°C
Storage Temperature	-20° ~ 70°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



- Plug-and-play PoE self-powered design
- Can be used with an IFS PoE Injector or other IEEE 802.3af compliant PSE equipment
- Supports 10/100Base-TX Ethernet
- Auto-detect of PoE IEEE 802.3af 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 984 ft. (300m).

Ordering Information

POE201-EX PoE and Ethernet Data Extender

