

708EPI-DC / 708EP-AC

8-Port PoE Long Reach Switch / Extender



708EP-AC



708EPI-DC

Introduction

The 708EPI-DC and 708EP-AC Long Reach Switches / Extenders feature 8 pairs of Long Reach Ethernet solutions with the companion the Ethernet Extender 101EPI remote devices connecting to each port of the 708EPI-DC or 708EP-AC. Each solution pair carries Ethernet traffic and power over Ethernet cable up to 800 meters.

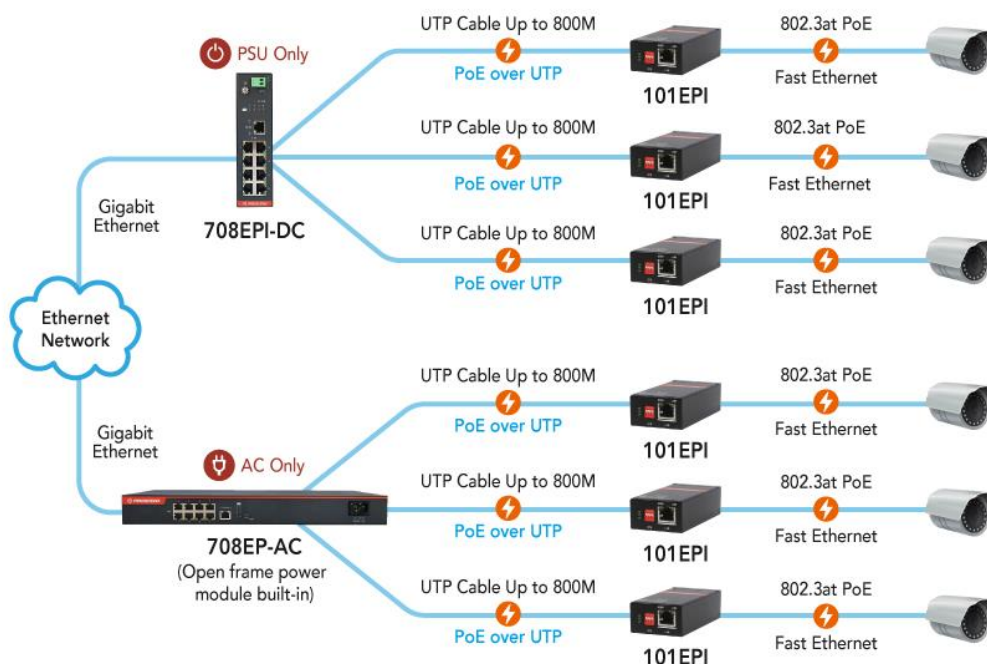
The 708EPI-DC is designed as an industrial grade, compact device working in harsh environments, while the 708EP-AC is 19" rack mounted with built-in power supply. Without the needs of redundant long-distance power cabling, each 101EPI receives power from any port of the 708EPI-DC or 708EP-AC and offers 802.3at Power-over-Ethernet for the remote devices such as IP cameras.

With the intelligence of built-in LFPT (Link Fault Pass Through) function in the 708EPI-DC and the 708EP-AC, the network administrator is enabled to monitor the link status easily, or turn on and off an IP camera remotely from the control center for eliminating the maintenance time and costs.

Features

- Ethernet over UTP cable up to 800 meters.
- Eliminate long distance power cabling.
- 6KV surge protection.
- Web management.
- LFPT (Link Fault Pass Through) per each port.
- Industrial design for operation in harsh environment (708EPI-DC).
- Built-in power supply (708EP-AC).

Application



Specifications

<p>Hardware Interfaces</p> <ul style="list-style-type: none"> ■ RJ45 Uplink port ■ LINE port x 8: Passive PoE PSE ■ Power Input: 2-pin Terminal Block (708EPI-DC) AC Power Socket x 1 (708EP-AC) <p>Standard Compliances</p> <ul style="list-style-type: none"> ■ IEEE 802.3af/IEEE 802.3at ■ IEEE 802.3/802.3u/802.3x/802.3ab compliant <p>Management</p> <ul style="list-style-type: none"> ■ Web-based Management ■ TFTP firmware upgrade ■ PoE Status Monitoring ■ Support Link Fault Pass Through (LFPT) <p>Mechanical</p> <p>708EPI-DC</p> <ul style="list-style-type: none"> ■ Dimensions (W x H x D): 40 x 155 x 105 mm ■ Weight: 0.53 kg ■ DIN-rail and Wall Mounting ■ IP40 <p>708EP-AC</p> <ul style="list-style-type: none"> ■ Dimensions (W x H x D): 404 x 44.5 x 177 mm ■ Weight: 2.34 kg ■ Rack mounting 	<p>Power</p> <p>708EPI-DC</p> <ul style="list-style-type: none"> ■ Power Input: 55~57VDC ■ System power consumption 10W ■ PoE power budget: 200W <p>708EP-AC</p> <ul style="list-style-type: none"> ■ Power Input: 100~240VAC 60/50Hz ■ System power consumption 10W ■ PoE power budget: 188W <p>LED Indicators</p> <ul style="list-style-type: none"> ■ Power, System, Port Status, PoE <p>Environment & Regulatory Compliance</p> <ul style="list-style-type: none"> ■ 708EPI-DC Operating Temperature: -40 to +75°C ■ 708EP-AC Operating Temperature: 0 to +45°C ■ Storage Temperature: -40 to +85°C ■ Humidity: 5 to 95% RH (non-condensing) ■ EMC: FCC Part 15 subpart B, EN55032 Class A, CISPR 32, UKCA, EN300386, EN55035, CISPR35 ■ Electrical Safety: EN 62368-1 ■ EN50121-4 Compliant ■ RoHS (Pb free) and REACH compliant ■ MTBF: >25 years (708EPI-DC) >22 years (708EP-AC)
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Data and Power Range

Cat 6 UTP 4 Pairs, 708EPI-DC @75°C PoE Power Budget 200W			Cat 6 UTP 2 Pairs, 708EPI-DC @75°C PoE Power Budget 200W		
Distance	Link Speed	101EPI PoE output (watt)	Distance	Link Speed	101EPI PoE output (watt)
100 meters	100Mbps	30.0	100 meters	100Mbps	28.0
200 meters	100Mbps	28.0	200 meters	100Mbps	25.0
300 meters	100Mbps	26.5	300 meters	100Mbps	21.5
400 meters	100Mbps	25.0	400 meters	100Mbps	15.5
500 meters	100Mbps	23.5	500 meters	100Mbps	12.0
600 meters	10Mbps	21.5	600 meters	10Mbps	10.0
700 meters	10Mbps	18.0	700 meters	10Mbps	8.0
800 meters	10Mbps	15.5	800 meters	10Mbps	6.5
900 meters	N/A	N/A	900 meters	N/A	N/A

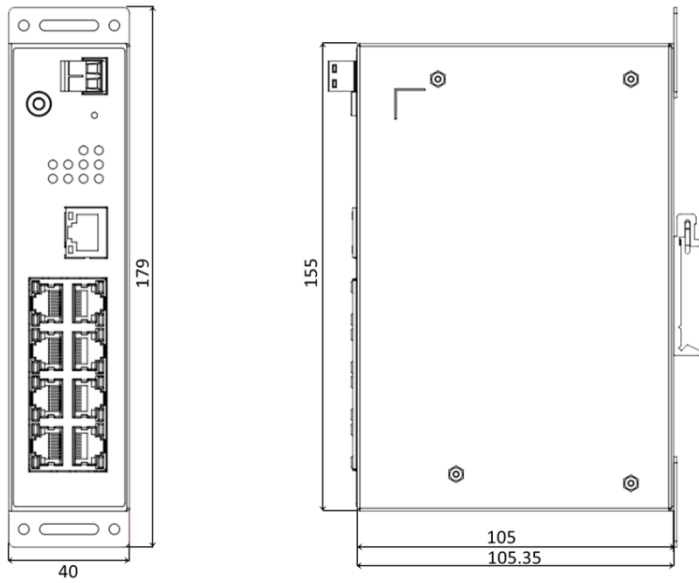
Cat 6 UTP 4 Pairs, 708EP-AC @25°C PoE Power Budget 188W			Cat 6 UTP 2 Pairs, 708EP-AC @25°C PoE Power Budget 188W		
Distance	Link Speed	101EPI PoE output (watt)	Distance	Link Speed	101EPI PoE output (watt)
100 meters	100Mbps	29.0	100 meters	100Mbps	27.5
200 meters	100Mbps	27.5	200 meters	100Mbps	24.0
300 meters	100Mbps	25.5	300 meters	100Mbps	19.5
400 meters	100Mbps	24.0	400 meters	100Mbps	14.0
500 meters	100Mbps	22.0	500 meters	100Mbps	11.0
600 meters	10Mbps	19.5	600 meters	10Mbps	8.5
700 meters	10Mbps	16.5	700 meters	10Mbps	7.0
800 meters	10Mbps	14.0	800 meters	10Mbps	6.0
900 meters	N/A	N/A	900 meters	N/A	N/A

NOTE: The actual data speed and PoE performance can vary by the environmental conditions and the cable qualities. The actual PoE power budget can vary by the operating temperature.

Dimensions

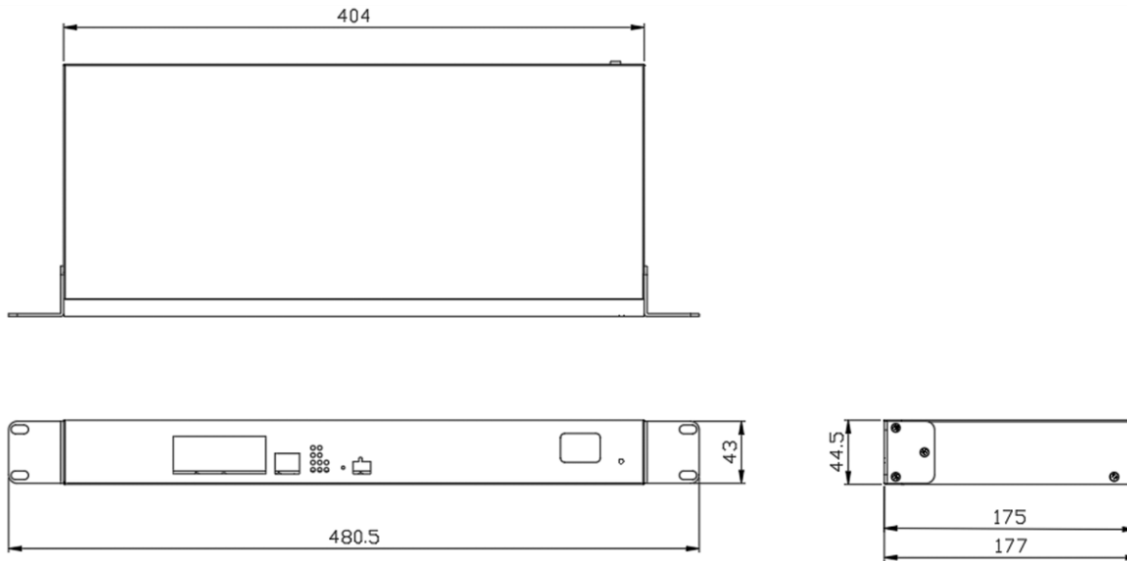
708EPI-DC

Unit: mm



708EP-AC

Unit: mm



Ordering Information

Model Name	Description
708EPI-DC	Industrial 8-Port PoE Long Reach Switch / Extender (DC power input)
708EP-AC	8 Port PoE Long Reach Switch / Extender (AC power input)

NOTE: Features and specifications are subject to change without prior notice.