

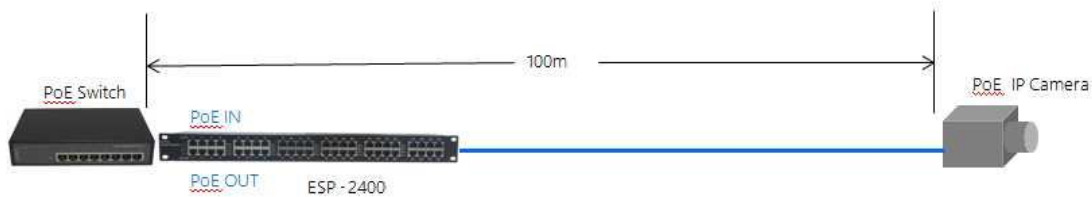


Quick Installation Guide

ESP-2400

24-Port PoE Surge Protector, 6KV, 30W

A PoE surge protector is an appliance or device designed to protect electrical devices from voltage spikes as PoE (Power over Ethernet) is in use as typical application below.



Specifications

Model	ESP-2400
Features	24-Port PoE Surge Protector, 6KV, 30W
Standards Compliance	IEC61000-4-5
Bandwidth	Up to 68MHz
Maximum Input	58VDC
Insertion Loss	<0.2dB
Return Loss	16dB @ 100Ω
Frequency Response	Up to 3dB@68MHz
Insulation Resistance	10,000 MΩ
Peak Discharging Current	150A for 10/700us
Maximum Surge Voltage	Up to 6KV
Surge Life	30000 operations @ 4kV
Surge Protection	<1ns
Common Mode	6KV for 10/700us
Differential Mode	2KV for 10/700us
PoE Passing Capability	30W
Ethernet Connector- In	RJ45
Signal Passing Capability	Breakdown voltage- 58V Clamping voltage- 77V
Ethernet Connector- Out	RJ45
Internal Impedance	40 Ω Nominal
PoE Support	IEEE802.3af /at
PoE Mode	End-Span (Pin 1,2,3,6)

Material	Metal
Operating Temperature	-40~185 F (-40~85C)
Operating Humidity	20-95% Non-condensing
Dimensions	54*13*9.5cm
Weight	1.5kgs

Packing Content:

1. Rack PoE Surge Protector
2. Grounding wire
3. QIG



Installation Procedure:

1. Connect RJ45 cable from PoE Switch port to PoE IN #8 on the Surge Protector and other RJ45 cable from PoE OUT #8 to remote PoE PD (Powered Device) such as IP camera, IP WiFi Access Point, etc. The overall Ethernet connection distance is not longer than 100 meters. Suggest to add single surge protector prior to PoE PD device if it does not embed with surge protection circuitry.
2. The LED will be lit in green if IEEE 802.3at/af PoE (PSE injecting power via end-point pin 1,2,3,6) is in use only. (It is not lit if no PoE is enabled and functioned.)



3. Connect the grounding wire with the rack cabinet for grounding.