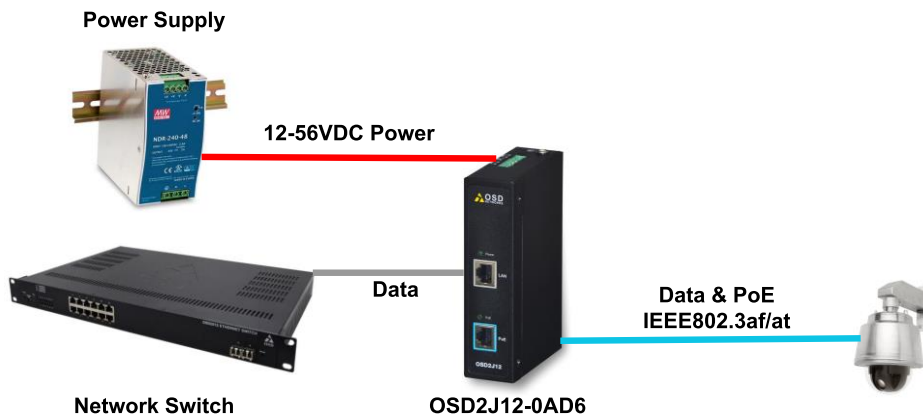


### Introduction

The OSD2J12-0AD6 is a single port gigabit PoE injector providing up to 30W of PoE to Powered Devices. It provides a constant 55VDC output power over a wide input range of 12-56VDC to support IEEE802.3af/at compliant products. A rugged, fanless, IP40 DIN Rail mount enclosure and an operating temperature range from -40 to +65°C make it suitable for use in a wide range of harsh industrial environments.



### Typical System Design



### Specifications

Hardware	
Ethernet	2 x 10/100/1000Base-T RJ45, IEEE802.3i/802.3u/802.3ab
PoE	1 port IEEE802.3af/at 30W PoE+
Enclosure Protection Class	IP40
Installation	Din Rail or Wall Mount
Power Requirements	12 to 56VDC @ 3W with no PD consumption 12 to 56VDC @ 34W with 30W PD power consumption
Efficiency	>86% at 12VDC input, >91% @ 48VDC input
Output PoE	55VDC @ 550mA maximum
Power pins	4/5(+), 7/8(-)
Power Connector	6 way 5.08mm terminal block
PoE Surge Protection	Common mode surge protection(10/700us): 6KV Differential mode surge protection (10/700us): 1.5KV
Indicators	1 x PoE active 1 x Power
Dimensions	35.4W x 95D x 144.5H mm
Weight	400g

Industrial Ethernet Injectors & Extenders

## Standards

EMI	FCC CFR47 Part 15, EN55024, EN55032, RCM
EMS	IEC61000-4-2(ESD) $\pm 6kV$ (contact), $\pm 8kV$ (air) IEC61000-4-3(RS) 10V/m(80MHz~2GHz) IEC61000-4-4(EFT) Power Port: $\pm 2kV$ ; Data Port: $\pm 1kV$ IEC61000-4-5(Surge) Power Port: $\pm 1kV/DM$ , $\pm 2kV/CM$ IEC61000-4-6(CS) 10V(150kHz~80MHz)
Environmental	IEC60068-2-6(Vibration) IEC60068-2-27(Impact) IEC60068-2-32(Free Fall)

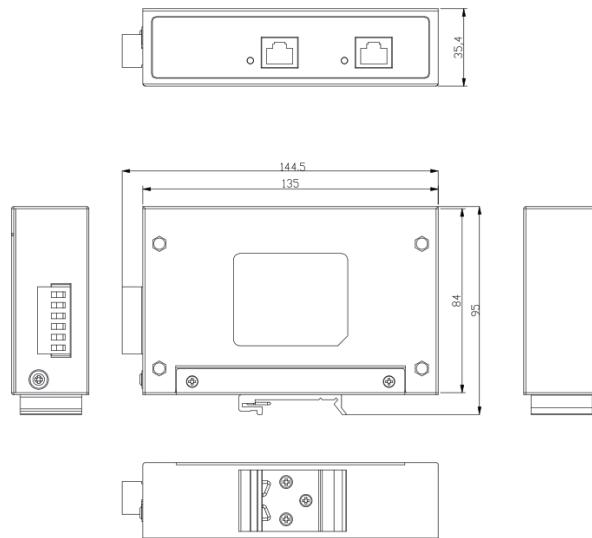
## Environmental

Operating Temperature	-40 to +65°C
Relative Humidity	5 to 95% non-condensing

## Warranty

Warranty Period	5 years
MTBF (Ground Benign Environment, 30°C)	150,000 hours for 48VDC input

## Dimensions



## Ordering Information

Part No.	Description
OSD2J12-0AD6	Industrial gigabit PoE Injector with 30W maximum PoE output. Wide 12-56VDC input range. IEEE802.3af/at compliant

## Related Products

Part No.	Description
2000PP	Industrial DIN rail power supply. 48-55VDC variable output with power options to 960W