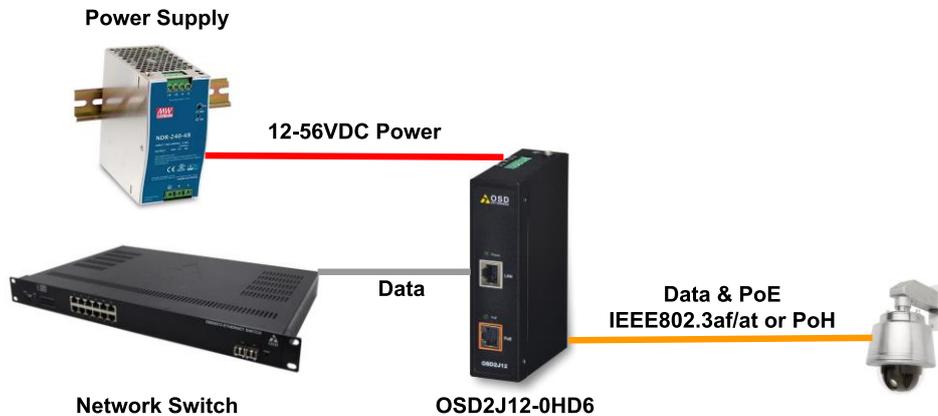


Introduction

The OSD2J12-0HD6-95 is a single port gigabit PoE injector providing up to 95W of PoE to Powered Devices. It provides a constant 55VDC output power over a wide input range of 12-56VDC to support the latest IP PTZ cameras, Wireless Access Points, VOIP phones and other high powered PoE devices. Compliant to IEEE802.3af/at up to 30W and supporting PoH to 95W it can provide up to 95W of power over four pairs once the internal detection chip has classified the PD. 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) and PoH (95W) Maximum output power derates linearly above 50°C to 75W @ 65°C
Enclosure Protection Class	IP40
Installation	Din Rail or Wall Mount
Power Requirements	12 to 56VDC @ 3W with no PD consumption 12 to 56VDC @ 108W with 95W PD power consumption
Efficiency	>86% at 12VDC input, >91% @ 48VDC input
Output PoE	55VDC @ 1750mA maximum
Power pins	4/5(+), 7/8(-) & 1/2(-), 3/6(+)
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) $\pm 6\text{kV}$ (contact), $\pm 8\text{kV}$ (air) IEC61000-4-3(RS) 10V/m(80MHz~2GHz) IEC61000-4-4(EFT) Power Port: $\pm 2\text{kV}$; Data Port: $\pm 1\text{kV}$ IEC61000-4-5(Surge) Power Port: $\pm 1\text{kV/DM}$, $\pm 2\text{kV/CM}$ IEC61000-4-6(CS) 10V(150kHz~80MHz)
Environmental	IEC60068-2-6(Vibration) IEC60068-2-27(Impact) IEC60068-2-32(Free Fall)

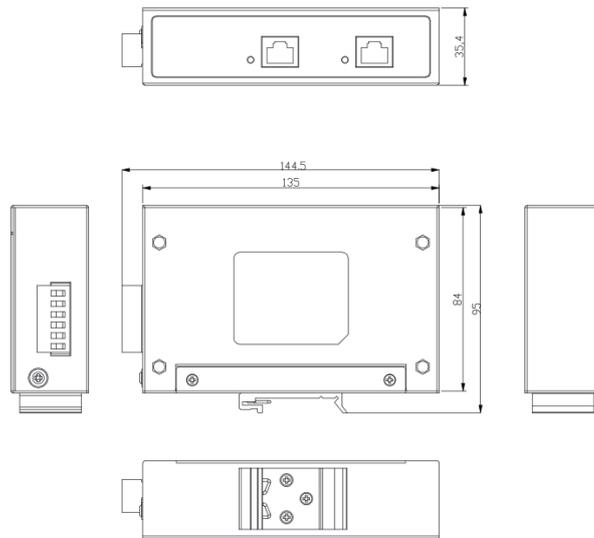
Environmental

Operating Temperature	-40 to +65°C (Maximum output power derates linearly above 50°C to 75W @ 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
OSD2J12-0HD6-95	Industrial gigabit PoE Injector with 95W maximum PoE output. Wide 12-56VDC input range. IEEE802.3af/at & PoH compliant.

Related Products

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