DI100G

48VDC Power Input, Rugged Industrial Single port Gigabit POE Injector, 1x10/100/1000M TX PSE (802.3af/at POE+) TX, 1x10/100/1000M TX, Operating temp: -40°C to +75°C

Models Available:

DV100G --- 12/24/48 VDC In, Single port Giga POE+ Injector, with 1x Giga TX POE+, 1x10/100/1000M TX

DI100G --- 48 VDC In, Single port Giga POE+ Injector, with 1x Giga TX POE+, 1x 10/100/1000M TX

DI100G

Introduction

This Super Voltage Booster --- The high power Single port industrial POE+ Injector is equipped with our high efficiency ColdDesign technology which allows low input voltage, such as 12/24/48VDC be boost up 55VDC to meet IEEE802.3at requirement. The ColdDesign technology will not only boost up Input Voltage, also reduce the excessive heat problem to a minimum. It accepts the input voltage as low as 12VDC, to be boost up to 55VDC. It is being rigorously tested for your Security, Transportation and Telco application.

Specification

IEEE Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE802.3af for POE IEEE802.3at for POE+
Network Connector :	1xRJ-45 10/100/1000BaseT(X) Data 1xRJ-45 10/100/1000BaseT(X) Data with POE Output power
Network Cable	UTP/STP above Cat.5e Cable
	EIA/TIA-568 100-ohm (100m)
Protocol	CSMA/CD
LED	PW1(Power 1) Green, PW2(Power 2) Green, ERR(Fault) Amber, POE Status (Green) Flash: Overload ON: POE Normal working OFF: NO POE power detected
POE Pin Assignment	End-Span Alternative A mode Positive (VCC+): RJ-45 pin 1,2 Negative (VCC-): RJ-45 pin 3,6
Reserve polarity protection	Present
Overload current protection	Present
Power Supply	Redundant Dual DC 12V-48V Power Input
Power Consumption	1 W@12/24/48 VDC full load, Without POE
Input Current	Max 3A @12VDC input
Alarm Relay Contact	Relay outputs with current carrying capacity of 1 A @24VDC, Relay in short circuit mode when 2 powers are connected. in open circuit mode when only one power supply is connected
POE power	POE power 30watts. Maximum 36Watts at 12VDC

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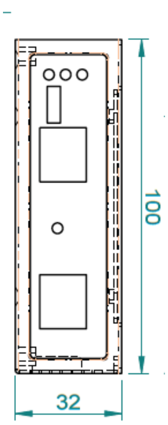
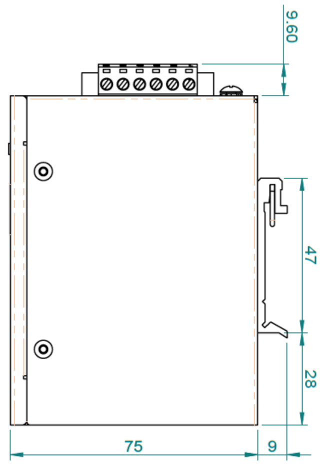
Removable Terminal Block	Provide 2 Redundant power , Alarm relay contact ,6 Pin Wire range: 0.34mm^2 to 2.5mm^2 Solid wire (AWG):12-24/14-22 Stranded wire(AWG): 12-24/14-22 Torque:5lb-In/0.5Nm/0.56Nm Wire Strip length: 7-8mm
Operating Temperature	-40℃~75℃ fully tested.
Surface temperature	Surface temperature rises 6°C full load in a 75°C chamber
Operating Humidity	5% to 95% (Non-condensing)
Storage Temperature	-40℃~85℃
MTBF (mean time between failure)	5,510,304 hrs (MIL-HDBK-217F) at 25°C
Housing	Rugged Metal ,IP30 Protection
Case Dimension	102mmx32mmx75mm (LxWxD)
Installation mounting	DIN Rail mounting, wall mounting
EMC/EMS	CE, FCC
EMI	FCC Part 15 Subpart B Class A, CE EN 55022 Class A

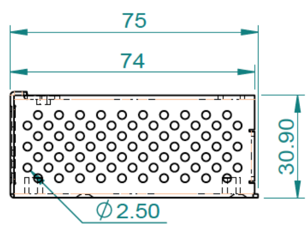
Housing Dimension



Front view



Side view



Bottom view