

H6041T

Rugged Industrial 4 port POE injector, with 4 x 10/100M TX PSE (IEEE802.3af/at POE+) + 1x10/100M TX, POE input voltage 44-56VDC, Operating temp: -40°C to +75°C

Models also available:

H6042TSC	6 port 10/100M POE+ Injector, with 4x10/100MTX PSE(POE+)+10/100TX+100M SC MM 2km
H6042TSC-30	6 port 10/100M POE+ Injector, with 4x10/100MTX PSE(POE+)+10/100TX+100M SC SM 30km
H6042T	6 port 10/100M POE+ Injector, with 4x10/100MTX PSE(POE+), + 2 x 10/100TX
H6042SC	6 port 10/100M POE+ Injector, with 4x10/100MTX PSE(POE+), + 2 x 100M SC MM 2km
H6042SC-30	6 port 10/100M POE+ Injector, with 4x10/100MTX PSE(POE+), + 2 x 100M SC SM 30km
H6041T	5 port 10/100M POE+ Injector, with 4x10/100MTX PSE(POE+), + 10/100TX
H6041SC	5 port 10/100M POE+ Injector, with 4x10/100MTX PSE(POE+), + 100M SC MM 2km
H6041SC-30	5 port 10/100M POE+ Injector, with 4x10/100MTX PSE(POE+), + 100M SC SM 30km



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Introduction

This rugged designed high power 4 port industrial POE+ Injector is equipped with our high efficiency ColdDesign technology which accept input voltage from 44-56VDC to meet IEEE802.3af/at standard, and to reduce the excessive heat problem to a minimum. It is equipped with 4 port 10/100M TX PSE to power up PD device and to provide power 15.4Watts for IEEE802.3af or 30Watts (Max 36W) for IEEE802.3at per port. With our optional models with Fiber uplinks, that can be used as fiber redundancy, cascaded to your other devices to expand your network application. 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 IEEE802.3x Flow Control and Back Pressure, IEEE802.3af for POE IEEE802.3at for POE+
Switch Architecture	Back-plane (Switching Fabric): 1.0Gbps
Data Processing	Store and Forward
Flow Control:	IEEE 802.3x Flow Control and Back Pressure
MAC address Table Size	1K
Packet Buffer Size	1M
Network Connector :	4xRJ-45 10/100BaseT(X) auto negotiation, 4 10/100M POE+ 802.3at/af PSE port, 1 10/100M TX port Auto MDI/MDI-X function, Full/Half duplex
Network Cable	UTP/STP above Cat.5e Cable
	EIA/TIA-568 10-ohm (100m)
	Fiber Cable (Multi-mode):50/125um,62.5/125um Fiber Cable (Single-mode): 9/125um
Protocol	CSMA/CD
LED	PW1(Power 1) Green, PW2(Power 2) Green, SW(Relay) Amber,
	TX/RJ-45 port: Green --- LNK (Link/Active) Amber --- POE link
	FX Fiber port: (N/A)
Reserve polarity protection	Present
Overload current protection	Present
Power Supply	Redundant Dual DC 9V-56V Power Input, Switch input 9-56VDC POE input 44-56VDC
Power Consumption	3.76W@48 VDC full load, Without POE
Alarm Relay Contact	Relay outputs with current carrying capacity of 1 A @24VDC, Relay in open circuit mode when 2 powers are connected. In short circuit mode when only one power supply is connected

POE power	Input Voltage 44VDC-56VDC. POE power per port 30watts. Maximum 36Watts with 56VDC input. Maximum total power 126Watts with 56VDC input
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°C~75°C fully tested.
Operating Humidity	5% to 95% (Non-condensing)
Storage Temperature	-40°C~85°C
MTBF (mean time between failure)	510,304 hrs (MIL-HDBK-217F) at 25°C
Housing	Rugged Metal ,IP30 Protection
Case Dimension (LxWxD)	142mmx36.2mmx105mm (LxWxD)
Installation mounting	DIN Rail mounting and Wall Mounting
Certificates:	
EN55022/24	ITE equipment
EN50155	Railways Applications Electronic Equipment used on Rolling Stock
EN55011	Industrial, Scientific and Medical (ISM) equipment
EN50121-3-2	Railway Applications – Electromagnetic Compatibility – Part 3-2 Rolling Stock - Apparatus
EN50121-4	Railway Applications – Electromagnetic Compatibility – Part4 Emissions and Immunity of the Signaling and Telecommunications Apparatus
Safety	IEC EN60950-1
EMC/EMS	CE, FCC, VCCI
EMI	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
EN 50155 / EN 60068-2-6	Vibration
EN 50155 / EN 60068-2-27	Shock
EN 50155 / EN 60068-2-32	Free Fall

Housing Dimension

