

## H8042F

44-56VDC Voltage input, Rugged 4 port Industrial Gigabit POE Injector,  
4x10/100/1000M TX PSE (802.3af/at POE+), 2x100/1000M SFP

Operating temp: -40°C to +75°C

### OEM/ODM Options



Black



White

Available Case color



H8042F

### Models also available:

H8042CF --- 4 port Giga POE+, with 4xGiga POE TX + TX/SFP combo + SFP

H8042TF --- 4 port Giga POE+, with 4xGiga POE TX + TX + SFP

## Introduction

This industrial high power POE+ is designed for 44-56VDC input sources, especially for IP surveillance, traffic monitoring and for a broad range of applications. It can be used as a stand-alone device for buses, trucks, and other vehicles for Surveillance purposes. And it also can be used to cascaded/daisy-chain to other devices to cover wider area through the SFP connection.

# Specification

<b>IEEE Standard</b>	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Ethernet IEEE802.3x Flow Control and Back Pressure, IEEE802.3af for POE IEEE802.3at for POE+
<b>Switch Architecture</b>	Back-plane (Switching Fabric): 12Gbps
<b>Data Processing</b>	Store and Forward
<b>Flow Control:</b>	IEEE 802.3x Flow Control and Back Pressure
<b>Jumbo Frame</b>	9KB
<b>MAC address Table Size</b>	1K
<b>Packet Buffer Size</b>	1M
<b>Network Connector :</b>	4xRJ-45 10/100/1000BaseT(X) auto negotiation, 4 Giga POE+ 802.3at/af PSE port Auto MDI/MDI-X function, Full/Half duplex 2 x SFP 100/1000M BaseX
<b>Network Cable</b>	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
<b>Protocol</b>	CSMA/CD
<b>LED</b>	PW1(Power 1) Green, PW2(Power 2) Green, ERR( Fault ) Amber,
	TX/RJ-45 port: LNK (Link/Active) Green, SPD(Speed) 10/100(OFF ) ,1000 (Green)
	SFP Fiber Per port: Link (Green) Active Flash
<b>DIP Switch</b>	DIP 1: OFF: Port 5 SFP ON(DEFAULT) ON: Port 5 SFP OFF DIP 2: OFF: SFP 1000M (DEFAULT) ON: SFP 100M
<b>Reserve polarity protection</b>	Present
<b>Overload current protection</b>	Present
<b>Power Supply</b>	Redundant Dual DC 44V-56V Power Input POE input 44-56VDC Switch Input 9-56VDC
<b>Power Consumption</b>	5.76W@48 VDC full load, Without POE

<b>Alarm Relay Contact</b>	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
<b>POE power</b>	POE power per port 30watts. Maximum 36Watts Maximum total power 126Watts, Supports IEEE802.3af/at
<b>Removable Terminal Block</b>	Provide 2 Redundant power , Alarm relay contact ,6 Pin Wire range: 0.34mm <sup>2</sup> to 2.5mm <sup>2</sup> 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
<b>Operating Temperature</b>	-40°C~75°C fully tested.
<b>Operating Humidity</b>	5% to 95% (Non-condensing)
<b>Storage Temperature</b>	-40°C~85°C
<b>MTBF (mean time between failure)</b>	510,304 hrs ( MIL-HDBK-217F) at 25°C
<b>Housing</b>	Rugged Metal ,IP30 Protection
<b>Case Dimension (L x W x D)</b>	142mmx43mmx105mm (LxWxD)
<b>Installation mounting</b>	DIN Rail mounting and Wall Mounting
<b>Certifications:</b>	
<b>EN55022/24</b>	ITE equipment
<b>EN50155</b>	Railways Applications Electronic Equipment used on Rolling Stock
<b>EN55011</b>	Industrial, Scientific and Medical (ISM) equipment
<b>EN50121-3-2</b>	Railway Applications – Electromagnetic Compatibility – Part 3-2 Rolling Stock - Apparatus
<b>EN50121-4</b>	Railway Applications – Electromagnetic Compatibility – Part4 Emissions and Immunity of the Signaling and Telecommunications Apparatus
<b>Safety</b>	IEC EN60950-1
<b>EMC/EMS</b>	CE, FCC, VCCI
<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
<b>EN 50155 / EN 60068-2-6</b>	Vibration
<b>EN 50155 / EN 60068-2-27</b>	Shock
<b>EN 50155 / EN 60068-2-32</b>	Free Fall

# Housing Dimension

