BCD

BCD-HES-4RJ-POE+

Hardened Industrial 6 port Gigabit Flat PoE Switch
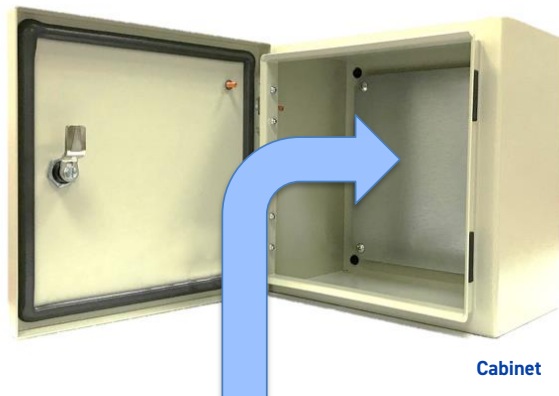
Introduction

This Industrial 6 port POE switch is designed for IP surveillance, traffic monitoring and for a broad range of applications. The unique flat design is perfect for space-limited environments, such as a shallow cabinet or a small enclosure. It is equipped with 4 x 30W PSE ports, and can deliver up to 120 Watts of power to your PD devices. It can be used as a stand-alone device for buses, trucks, and other vehicles for surveillance purposes. It has been rigorously tested for your security, transportation and telco applications. It can also be cascaded/daisy-chained to other devices to cover wider areas via SFP connection.

Key Features

4x10/100/1000M TX 30W PSE (802.3af/at POE+) + 2 x 100/1000M SFP, 2KV Surge Immunity
Supports power 1, power 2, and power din (for external power adapter), Input Voltage: 48-56VDC, Operating temp.: -40°C to +75°C
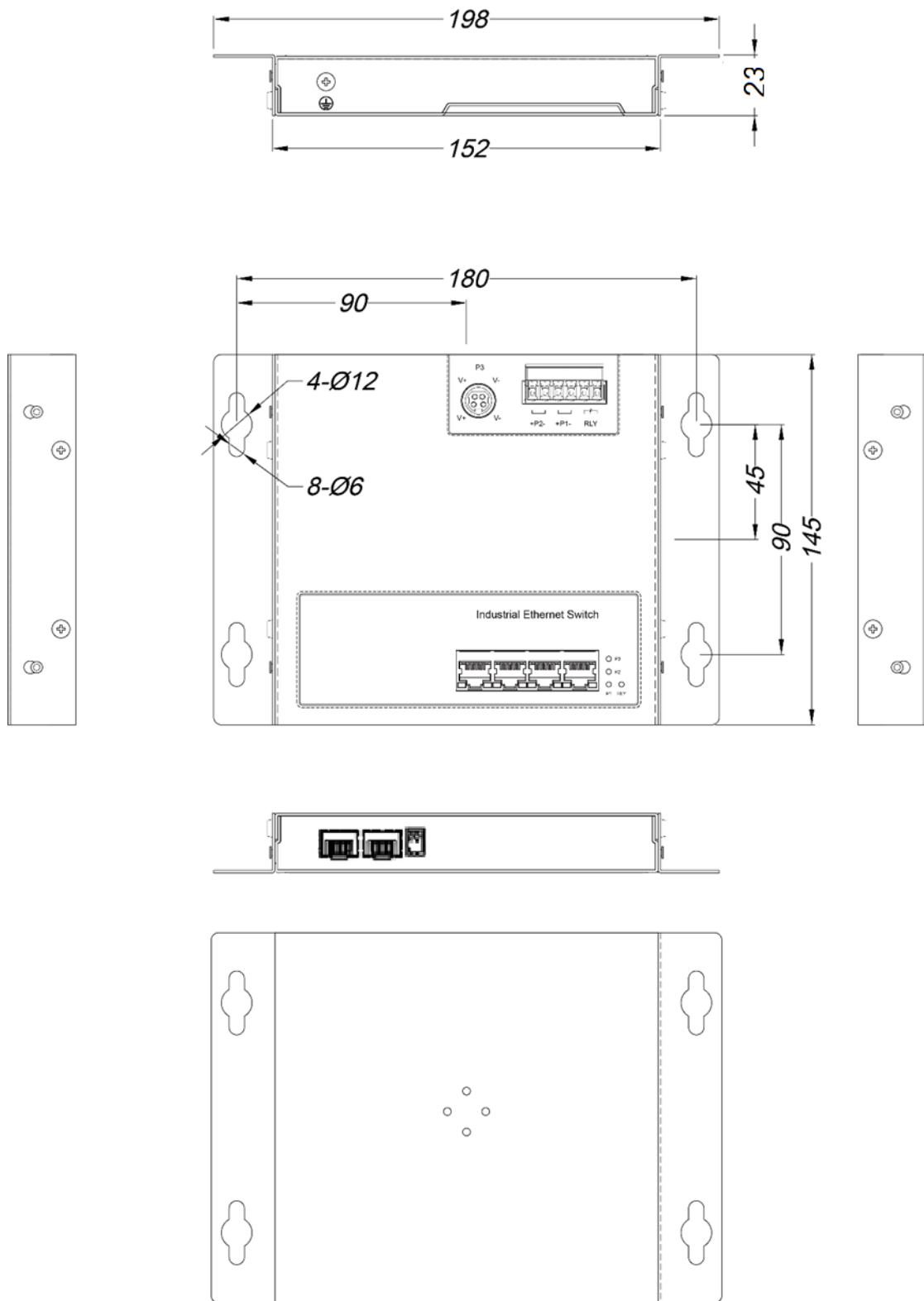

H8042XF

Cabinet

Wall mount   Din rail mount

Specification

IEEE Standard	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 IEEE 802.3x Flow Control and Back Pressure, IEEE 802.3af for POE IEEE 802.3at for POE+
Switch Architecture	Back-plane (Switching Fabric): 12Gbps
Data Processing	Store and Forward
Flow Control	IEEE 802.3x Flow Control and Back Pressure
Jumbo Frame	10KB
MAC address Table Size	1K
Packet Buffer Size	1Mbits
Network Connector	4 x RJ-45 10/100/1000BaseT(X) auto negotiation, Auto MDI/MDI-X function, Full/Half duplex 4 x Gigabit POE+ 802.3at/af PSE port, 30W per port 2 x SFP 100/1000M BaseX
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 (Green): ON－Power 1 is detected
	PW2 (Green): ON－Power 2 is detected
	PW3 (Green): ON－Power 3 is detected for Power DIN
	RLY (Amber): ON－Connect only PW1 or PW2
	        OFF－Both PW1 and PW2 are
	           connected

	TX/RJ-45 port:
	LNK (Link/Active) (Green): ON－TX port is detected
	        Flashing－TX data is
	
	transmitting/receiving
	POE (Amber): ON－PD is detected and PSE is activated
	        OFF－PD is not detected

	SFP Fiber Per port: Link (Green) Active (Flashing)

DIP Switch	DIP 1: OFF: F6 SFP 1000M (DEFAULT) ON: F6 SFP 100M DIP 2: OFF: F5 SFP 1000M (DEFAULT) ON: F5 SFP 100M
Reserve polarity protection	Present
Overload current protection	Present
Power Supply	Redundant Dual DC 48V-56V Power Input
Power Consumption	4.8W@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	POE power per port 30watts. Maximum total power 120Watts with 56VDC input, Supports IEEE802.3af/at
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 to +75°C
Operating Humidity	5% to 95% (Non-condensing)
Storage Temperature	-40°C to 85°C
MTBF (mean time between failure)	459,123 hrs (Telcordia (Bellcore), GB) at 50°C
Housing	Rugged Metal with Aluminum Plate, IP30 Protection
Case Dimension	150 x 145 x 23.2 mm (L x W x D) 198 x 145 x 23.2 mm (L x W x D) (with brackets)
Installation	DIN Rail Mount or Wall Mount
Certifications:	
Safety	LVD(EN60950-1)
EMC	CE, FCC, EN 55032/24
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 6KV; Air: 8KV IEC 61000-4-4 EFT: Power: 2KV; Signal: 2KV IEC 61000-4-5 Surge: Power: 2KV; Signal: 2KV
Vibration	EN 60068-2-6
Shock	EN 60068-2-27
Free Fall	EN 60068-2-32

Housing Dimension (mm)