

# BCD-HES-8RJ-POE+

## Hardened Industrial 10 port Gigabit Flat PoE Switch

### Introduction

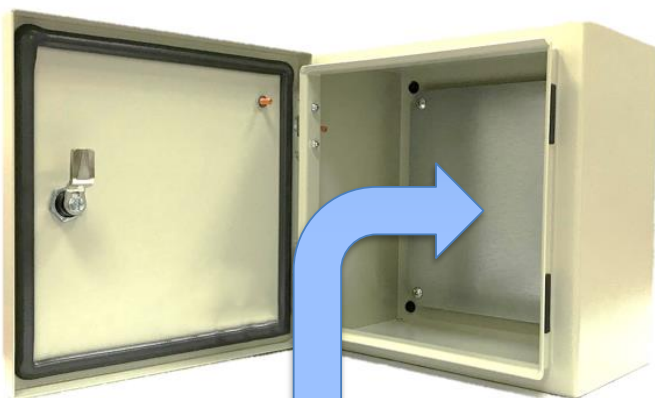
This Industrial 10 port PoE switch is designed for IP surveillance, traffic monitoring and for a broad range of applications. The unique flat design is perfect for space-limited environments, such as a shallow cabinet or a small enclosure. It is equipped with 8 x 30W PSE ports, and can deliver up to 240 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

8x10/100/1000M TX 30W PSE (802.3af/at PoE+) + 2 x 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



H8082XF



Cabinet



Wall  
mount

Din rail  
mount

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## 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 IEEE 802.3x Flow Control and Back Pressure, IEEE 802.3af PoE IEEE 802.3at PoE+
<b>Switch Architecture</b>	Back-plane (Switching Fabric): 20Gbps
<b>Data Processing</b>	Store and Forward
<b>Flow Control</b>	IEEE 802.3x Flow Control and Back Pressure
<b>Jumbo Frame</b>	10KB
<b>MAC Address Table Size</b>	11K
<b>Packet Buffer Size</b>	2Mbits
<b>Network Connector</b>	8 x RJ-45 10/100/1000BaseT(X) auto negotiation, Auto MDI/MDI-X function, Full/Half duplex 8 x Gigabit PoE+ 802.3at/af PSE port, 30W per port 2 x 1000M SFP
<b>Network Cable</b>	UTP/STP Cat 5e or above Cable
	EIA/TIA-568 (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 (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: F9, F10 (Green) ON—F9 or F10 SFP fiber is detected OFF—F9 or F10 SFP fiber is not detected. Flashing—F9 or F10 SFP fiber is active

<b>DIP Switch</b>	DIP 1: OFF: F10 SFP 1000M (Default) ON: Reserved DIP 2: OFF: F9 SFP 1000M (Default) ON: Reserved
<b>Reserve Polarity Protection</b>	Present
<b>Overload Current Protection</b>	Present
<b>Power Supply</b>	Redundant Dual DC 48V-56V Power Input
<b>Power Consumption</b>	4.8W@48 VDC full load, Without PoE
<b>Alarm Relay Contact</b>	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
<b>PoE power</b>	PoE power per port 30watts. Maximum total power 240Watts with 56VDC input 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 to +75°C
<b>Operating Humidity</b>	5% to 95% (Non-condensing)
<b>Storage Temperature</b>	-40°C to 85°C
<b>MTBF (mean time between failure)</b>	451,505 hrs (Telcordia (Bellcore), GB) at 50°C
<b>Housing</b>	Rugged Metal, IP30 Protection
<b>Case Dimension</b>	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)
<b>Installation</b>	DIN Rail Mount or Wall Mount
<b>Certifications</b>	
<b>Safety</b>	LVD(EN62368-1)
<b>EMC</b>	CE, FCC, EN 55032/25
<b>EMI</b>	CISPR 32, FCC Part 15B Class A
<b>EMS</b>	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
<b>Vibration</b>	EN 60068-2-6
<b>Shock</b>	EN 60068-2-27
<b>Free Fall</b>	EN 60068-2-32

## Housing Dimension (mm)

