

Spectrum SCS-H8082C-bt-A

Industrial 10 Port Gigabit Ethernet Switch w / PoE

Key Features

- 8 x 10/100/1000M TX 95W 802.3bt PSE
- 2 x 10/100/1000M TX / 1000M SFP
- Accepts input from 15W to 90W PSE
- Input Voltage: 48-56 VDC
- Operating temperature range of -40 to +75°C (-40°F to 167°F).



Description

The super high-power Spectrum Industrial Gigabit Switch, SCS-H8082C-bt-A, is equipped with full 8 port 802.3bt 95W Gigabit PSE ports and 2 x (10/100/1000M TX/1000M SFP) Combo ports. It can supply PoE to high-power demanding devices including outdoor speed domes, outdoor lamps, or other ultra-high-power PD devices.

This unit was designed for IP surveillance, traffic monitoring, and for a broad range of applications. It can be used as a stand-alone device or can be cascaded/daisy-chain to other devices to cover a wider area through SFP connection.

Specifications

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DISPLAY

LED Indicator	PW1 (Green): ON - Power 1 is detected PW 2 (Green): ON - Power 2 is detected Relay (Amber): ON - Connect only PW1 or PW2 OFF - Both PW1 and PW2 are connected TX/ RJ-45 port (1-8): LNK (Link / Active) (Green): ON - TX port is detected Flashing - TX data is transmitting / receiving SPD (Speed) (Amber): ON - 1000M OFF - 10M / 100M PoE (1-8) (Green): ON - PD is detected and PSE is activated OFF - PD is not detected SFP (F9 & F10): LNK (Link / Active) (Green): ON - SFP port is detected Flashing - SFP port data is transmitting / receiving
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TERMINAL BLOCK

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 Stranded Wire (AWG): 12-24 Torque: 5lbs-In / 0.5NM / 0.56Nm Wire Strip Length: 7-8mm (0.28-0.32")
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NETWORK

Connector	10 x RJ45 10 / 100 / 1000BaseT(X) auto negotiation Auto MDI / MDI-X function, Full / Half duplex 8 x Gigabit 802.3bt 95W PSE ports 2 x SFP 1000M BaseX
Cable	UTP / STP Cat.5e or above EIA / TIA - 568 (100m)
Protocol	CSMA / CD

POWER

Supply	P1 and P2 for Redundant Dual DC 48V-56V
PoE Power	802.3bt PoE power per port 95 Watts Maximum total power 400 Watts with 56 VDC input
Consumption	8.5W @48 VDC full load, Without PoE
Overload Current Protection	Present
Reserve Polarity Protection	Present

Alarm Relay Contact	Relay outputs with current carrying capacity of 1A @ 24 VDC Relay in 'open' circuit mode when PW1 and PW2 are connected. In 'short' circuit mode when only one power supply is connected.
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STANDARDS

Ethernet	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
PoE	IEEE 802.3af PoE IEEE 802.3at PoE+ IEEE 802.3bt POE++

CERTIFICATIONS

Safety	LVD (EN62368-1), cMETus (UL 60950-1)
EMC	CE, FCC, EN 55032 / 35
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

GENERAL

Material	Rugged Metal, IP50 Protection
Dimensions	L = 155mm (6.1") x W = 51.5mm (2.03") x D = 120mm (4.72")
Installation	DIN Rail and Wall Mount options included
Operating Temp	-40°C to 75°C (-40°F to 167°F)
Operating Humidity	5% to 95% (Non-condensing)
Storage Temp	-40°C to 85°C (-40°F to 185°F)
MTBF (Mean Time Between Failure)	515,469,2281 Hours (Telcordia (Bellcore), GB) at 50°C
Switch Architecture	Back-plane (Switching Fabric): 20 Gbps
Data Processing	Store and Forward
Flow Control	IEEE 802.3x Flow Control and Back Pressure
Jumbo Frame	10KB
MAC Address Table Size	11K
Packet Buffer Size	2 Mbit

Dimensions

