

Spectrum SCS-HCS8011-SFP-mini

Rugged Industrial PoE Media Converter

Key Features

- 1 x 10/100/1000M 30W PSE (supports 802.3af/at) TX + 100/1000M SFP
- Power Input 48-56VDC (10VDC to 60VDC for data transmission only)
- Supports Link Fault Pass through (LFP) function
- Supports switch mode and converter mode
- Surge protector on power input
- ESD protector on RJ-45 port
- Provides Far End Fault function on FX port
- Provides Increased Noise Immunity
- Designed to fit into outdoor CAM enclosures
- Operating temperature range of -40 to +75°C (-40°F to 167°F).



DIN Rail Mount



Panel Mount



Description

The Spectrum SCS-HCS8011-SFP-mini, Hardened Industrial Media Converter is designed for critical but space-limited outdoor CAM enclosure. It can be powered by wide range VDC. With its multi-purpose design, it can also be Din-Rail or wall mounted. It is an ideal unit for IP surveillance, traffic monitoring and Security applications in critical environments. It can tolerate -40°C to +75°C in harsh environments to connect a reliable network.

Specifications

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DISPLAY

LED Indicator	PWR (Green): ON - Power 1 is detected OFF - Power is not detected SFP LK / Act (Green): ON - FX port is detected Flashing - FX data is transmitting / receiving RJ-45 port: LNK (Green): ON - TX port is detected Flashing - FX data is transmitting / receiving PoE (Amber): ON - PSE is activated and PD is detected
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DIP SWITCH

DIP 1 / DIP 2	DIP 1: UP - SFP speed 100M DOWN - SFP speed 1000M (Default) DIP 2: UP - LFP enabled DOWN - LFP disabled (Default) Link Fault Pass Through (LFP) is when copper side signal lost or disconnect, fiber side link signal will actively off, when fiber side signal lost or disconnect, copper side link signal will also actively off
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TERMINAL BLOCK

Removable Terminal Block	3 pin contact terminal block for power input Wire range: 0.34mm ² to 2.5mm ² Solid wire (AWG): 12-24 / 14-22 Stranded Wire (AWG): 12-24 / 14-22 Torque: 5lbs-In / 0.5NM / 0.56Nm Wire Strip Length: 7-8mm (0.28-0.32")
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NETWORK

Connector	1 x RJ45 10 / 100 / 1000BaseT(X) Auto MDI / MDI-X function, Full / Half duplex 1 x 100 / 1000 BaseX SFP
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Cable	UTP / STP Cat.5e or above EIA / TIA - 568 10-ohm (100m) Fiber Cable (Multi-mode): 50 / 125um, 62.5 / 125um Fiber Cable (Single mode): 9 / 125um
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Protocol	CSMA / CD
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POWER

Input	48V - 56VDC 10V - 60VDC for data transmission only
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PoE Power	PoE power per port 30 Watts Supports IEEE 802.3af / at
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Consumption	1.92W full load without PoE at 48VDC 30W Max with PoE at 56VDC
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Overload Current Protection	Present
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Reserve Polarity Protection	Present
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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+

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, IP30 Protection
Dimensions	L = 59mm (2.3") x W = 36mm (1.4") x D = 50mm (1.97")
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)	561,556 Hours (Telcordia (Bellcore), GB) at 50°C
Switch Architecture	Back-plane (Switching Fabric): 4 Gbps
Data Processing	Ports speed are the same: Converter mode Ports speed are not the same: Switch mode (store and forward)
Flow Control	IEEE 802.3x Flow Control and Back Pressure
Jumbo Frame	16KB
MAC Address Table Size	1K
Packet Buffer Size	512 Kbits

Dimensions

