

HCS8011SFP-95W

Hardened 95W Gigabit POE Media Converter, designed with hardened Marvell IC and Hardened POE Controller,
1 x Gigabit 95W TX PSE + 1 x 100/1000M SFP, 48-56VDC input,
Operating temp.: -40°C to +75°C

Features:

- Built-in hardened Marvell IC
- Built-in hardened POE Controller
- Deliver ultra high power up to 95Watts
- IP30 with Aluminum housing protection
- Selectable 100/1000M SFP
- Support alarm relay
- Input Voltage 48-56VDC
- Din-Rail Mount or Wall-Mount
- Working in extreme environment -40 to +75°C



HCS8011SFP-95W

Introduction

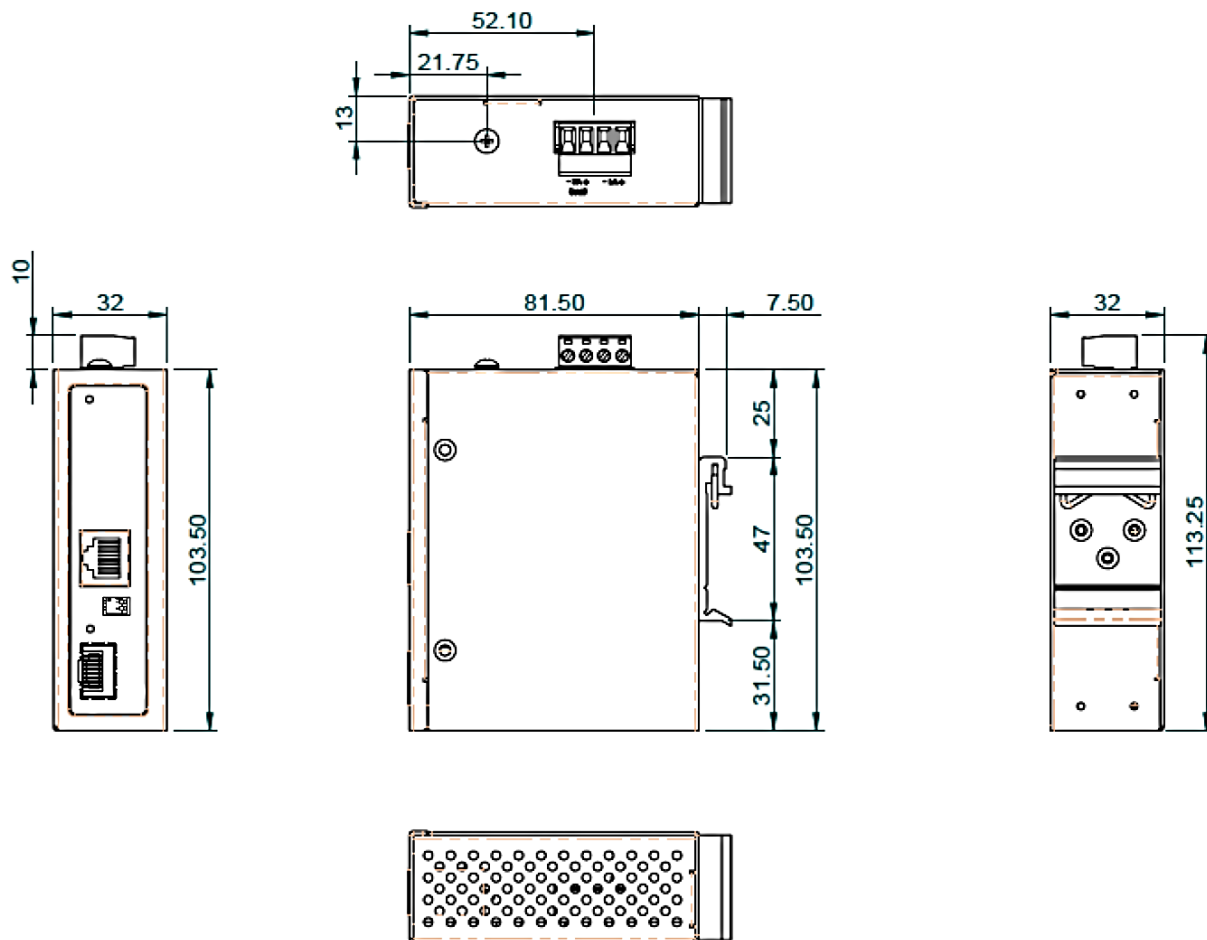
This Rugged 95 Watts Industrial POE converter is designed with hardened Marvell IC, it delivers 95Watts POE power and can tolerate extreme temperature in a harsh environment. Our ColdDesign technology will not only power up your PD device, also reduce the excessive heat problem to a minimum. It accepts the input voltage from 48VDC to 56VDC to meet IEEE802.3af/at required voltage and it can deliver 95Watts of power by 4 pair POE to your high power PD device. It is being rigorously tested for your Security, Transportation and Telco application.

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 IEEE802.3x Flow Control and Back Pressure, IEEE802.3af for POE IEEE802.3at for POE+
Switch Architecture	Back-plane (Switching Fabric): 4Gbps
Data Processing	Store and Forward
Flow Control	IEEE 802.3x Flow Control and Back Pressure
Jumbo Frame	9KB
MAC address Table Size	2K
Packet Buffer Size	1M
Network Connector	1 x RJ-45 10/100/1000BaseT(X) PSE with POE Output power up to 95Watts 1 x 100/1000M SFP
Network Cable	UTP/STP Cat.5e or above Cable EIA/TIA-568 10-ohm (100m)
Protocol	CSMA/CD
LED	PW1(power 1) Green: ON- power good, OFF- power failed UTP LEDs: Amber ON- PD detected Green ON – Link/active – SFP LED: Green ON – SFP detected
POE Pin Assignment	95 watts 4 pairs V+, V+, V-, V- for pin 1, 2, 3, 6 V+, V+, V-, V- for pin 4, 5, 7, 8
DIP Switch	To select SFP speed 100M or 1000M.
Reverse polarity protection	Present
Overload current protection	Present
Power Supply	4 pin terminal block with 48V-56V VDC Power Input, SW (Relay): Relay switch for alarm
Alarm Relay Contact	Relay outputs with current carrying capacity of 1 A @24VDC, Relay in short circuit mode when power fails. in open circuit mode when power supply is connected

Power Consumption	2 W@48 VDC Without POE
POE power	Maximum POE power 95watts at 56VDC input
Removable Terminal Block	Provide 4 pin terminal block 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~75°C fully tested.
Operating Humidity	5% to 95% (Non-condensing)
Storage Temperature	-40°C ~85°C
MTBF (mean time between failure)	>500,000 hrs (MIL-HDBK-217F) at 25°C
Housing	Rugged Aluminum, IP30 Protection
Case Dimension (L X W X D)	103.5 x 32 x 81.5 mm (L x W x D)
Installation mounting	DIN Rail mounting and Wall Mounting
Certifications	
EN55022/24	ITE equipment
EN55011	Industrial, Scientific and Medical (ISM) equipment
Safety	IEC EN60950-1
EMC/EMS	CE, FCC, VCCI
EMI	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
EN 50155 / EN 60068-2-6	Vibration
EN 50155 / EN 60068-2-27	Shock
EN 50155 / EN 60068-2-32	Free Fall

Housing Dimension (mm)



Similar Models — POE Media Converter:

HCS8011SFP-60W	Hardened Gigabit POE Media Converter 1 x 60W Gigabit TX PSE, 48-56VDC input, -40°C - +75°C
HCS8011SFP	Hardened Gigabit POE Media Converter 1 x 30W Gigabit TX PSE, 48-56VDC input, -40°C - +75°C