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AMERICAN INDUSTRIAL

DY-HCS8011SFP-60W

American Industrial 60 Watt Hardened Gigabit POE++ converter, designed with the Hardened Marvell IC, 1x10/100/1000M 60W PSE (supports 802.3af/at) TX + 100/1000M SFP, 48-56VDC, Operating Temperature: -40°C to +85°C // 5 Year Warranty

60 WATTS
Power Over Ethernet

American
Certified
Ethernet

No Counterfeit
Chinese Chips or PCB's



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Summary:

This Rugged 60 Watt Industrial POE converter is designed with the latest hardened Marvell PoE++ Chipset. It delivers a FULL 60 Watts of PoE+ power and can tolerate extreme temperatures as well as a harsh environment. Our Cool Design technology will not only power up your PD device, but also reduce the excessive heat problem to an absolute minimum. The Input DC voltage ranges from 48 Volts DC to 56 Volts DC and meets the IEEE802.3af/at standard required voltages. The PoE++ converter can deliver up to 60 Watts of power via 4 pairs of Cat 5/6/7 UTP Wire up to 100 Meters. The device meets IEEE / IEC and Bicsi Power Over Ethernet Standards to deliver 48 Volts DC to your high powered PD device. DYMEC has rigorously the device to meet the toughest conditions for your Security, Transportation, IT, Railway, Industrial and Telecom applications.

Specifications:

IEEE Standards	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:	1xRJ-45 10/100/1000BaseT(X) PSE with POE++ Output power up to 60 Watts 1 x 100/1000M SFP
Network Cable	UTP/STP Cat.5e, 6, 7 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	YES
Overload current protection	YES
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 Watts @48 Volts DC Without POE
POE power	Maximum POE power 60 Watts at 56VDC input

Removable Terminal Block	Provided with: 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℃~85℃ Fully Tested.
Operating Humidity	5% to 97% (Non-condensing)
Storage Temperature	-40℃~85℃
MTBF (mean time between failure)	510,304 hrs. (MIL-HDBK-217F) at 25°C
Housing	Structural Aluminum, IP30, Military Grade
Case Dimension (L X W X D) mm	103.5mm x 32mm x 81.5mm (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
NEMA TS-2	**American Certified Ethernet**

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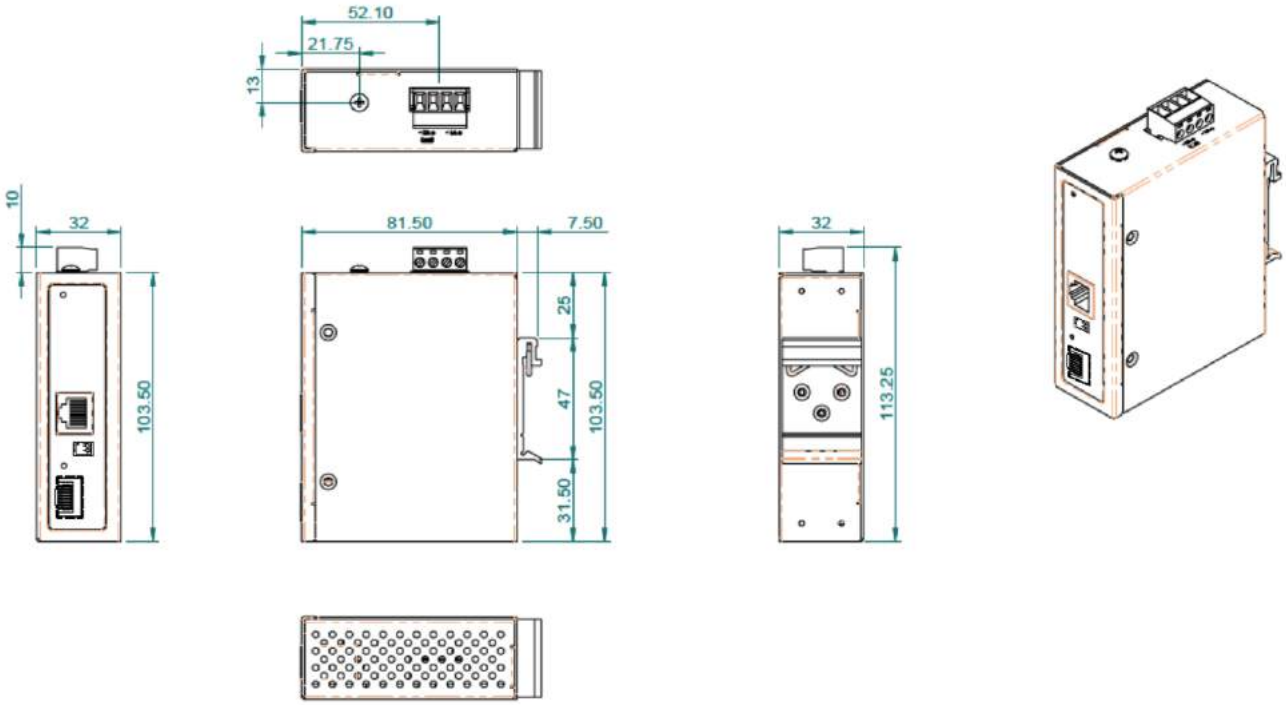
Housing Dimensions:



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We Sell –
American Industrial
American Certified Ethernet