Mini Industrial 90W PoE++ Media Converter, 1-port 1000BASE SC + 2-port 10/100/1000BASE-T 802.3bt PoE, SC Fiber Port, Single Mode, 1310nm, 20km

This Series provides media conversion between 2-Port 10/100/1000BASE-T and 1-Port 1000BASE-X Fiber. The Ethernet port support 90W high power PoE (Power Sourcing Equipment) which complies with IEEE802.3bt standard. It's a hardened product with wide operating temperature range from -40°C to 75°C, and ruggedized aluminum housing. The Ethernet port supports both half-duplex and full-duplex mode. The rugged hardware design ensures that your Ethernet equipment can withstand demanding industrial conditions. Easy to mount on a DIN rail or in distribution boxes.

Features

- 2-Port 10/100/1000BASE-T RJ45 with auto MDI / MDI-X function
- 1-Port 1000Base-X SC
- Supports IEEE802.3af/at PoE (30W) or IEEE802.3bt PoE++(90W)
- Supports Link Fault Pass Through
- Supports Full/Half-duplex, Auto-negotiation
- 9K Bytes Jumbo Frame
- 48~57VDC Terminal Block Power Input
- Supports DIN-Rail & Wall-mount installation
- Environmentally hardened -40°C to 75°C
  (-40°F to 167°F) operating temperature

Specifications

Ethernet

	IEEE802.3 10Base-T
	IEEE802.3u 100Base-TX/FX
	IEEE802.3ab 1000Base-T
Standards:	IEEE802.3z 1000Base-X
	IEEE802.3af Power over Ethernet
	IEEE802.3at Power over Ethernet
	IEEE802.3bt Power over Ethernet
Processing Type:	Store-and-Forward
	14,880pps (10Mbps)
Forward Filter Rate:	148,800pps (100Mbps)
	1,488,000pps (1000Mbps)
Packet Buffer Memory:	1 Mbit
Max Packet Length:	9K Bytes
Address Table Size	2K MAC Addresses

Interface

Connector:	2 x RJ45
Optical Port:	1 x SC 1000Base-X

Electrical and Mechanical

Input Power:	48~57VDC, 2-pin terminal block
Output Power	48VDC
Power Consumption:	185W Max.

LED Indicators:

PWR:	Power Status
L/A:	Data LINK Status
POE:	PoE Status
100M/1000M:	Fiber LINK Status
Dimensions (WxDxH):	95 x 70 x 30 mm
Weight:	0.25Kg
Casing:	AluminumCase
Mounting Options:	DIN-Rail / Wall-mount
Environmental	
Operating Temperature:	-40°C to 75°C (-40°F to 167°F)
Storage Temperature:	-40°C to 85°C (-40°F to 185°F)
Relative Humidity:	5% to 95% non-condensing
MTBF	> 200,000 hrs

Regulatory Approvals
ISO9001, CE, FCC, RoHS
EMI:
EN55022:2010+AC: 2011, Class A
EN 61000-3-2: 2006+A1: 2009+A2: 2009
EN 61000-3-3: 2013
EN55024: 2010
EMS:
IEC 61000-4-2: 2008 (ESD)
IEC 61000-4-3: 2010 (RS)
IEC 61000-4-4: 2012 (EFT)
IEC 61000-4-5: 2014 (Surge)
IEC 61000-4-6: 2013 (CS)
IEC 61000-4-8: 2009 (PFMF)