

Product Overview

Fast Ethernet Bridging Converter with PoE Entry Line compact



Description

Fast Ethernet PoE+ bridging converter with SFP slot from the Entry Line compact series

MS656059P is a cost-effective solution for the conversion between 10/100Base-TX and 100Base-FX with SFP socket, it allows you to extend communication distance by optical fiber.

MS656059P supports MDI/MDIX auto detection, so you don't need to use crossover wires. It also supports Power over Ethernet, a system to transmit electrical power up to 30 watts, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Each MS656059P has 1x10/100Base-TX P.S.E. (Power Sourcing Equipment) port to provide power in a PoE setup. MS656059P is equipped with a wide operating temperature range from -40..70°C and accepts a voltage range from dual redundant 50..57 VDC power inputs, so it's suitable for harsh industrial operating environments.

Properties

- Very compact design
- Easy handling, no extensive configuration
- 1x10/100Base-TX port with PoE+ (up to 30 watts)
- 1x100Base-FX with SFP socket
- 50 to 57 VDC power, redundant input
- DIN rail or wall mounting option

Specifications

General

Type	Ethernet to fiber PoE media converter with 1x10/100Base-T(X) P.S.E. and 1x100Base-FX, SFP socket
Performance	Store-and-forward

Display

Type	6 LEDs, color coded
Power	2x power LED: green (on - power) PoE LED: Amber (on - power feeding)
Link	RJ-45/SFP LED: green: link flashing: activity off: port down
Status	green (on) Full-Duplex / (off) Half-Duplex

Environment

Operating Temperature	-40..70 °C
Storage Temperature	-40..85 °C
Relative Humidity	5..95%, non condensing

Standards Compliance

CE Mark	present
Safety	EN 60950-1
Electromagnetic Emission	EN 55022
Electromagnetic Immunity	EN 55024
IEEE (Ethernet)	802.3i 10Base-T 802.3u 100Base-T 802.3af Power-over-Ethernet 802.3at Power-over-Ethernet
Other	EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-8 EN61000-4-11

Uplink (Pluggable Transceiver)

Number of Ports	1
Type	Fast Ethernet, 100Base-X
Connector	SFP slot

Downlink (Twisted-Pair)

Number of Ports	1
Type	Fast Ethernet, dual speed 10/100Base-T
Connector	RJ-45 jack, shielded
Cable Type	Twisted-Pair cable, category 5e, impedance 100 Ohm, length max. 100 m
Power-over-Ethernet	Power Sourcing Equipment (PSE) IEEE 802.3at max. 30 W

Power Supply (DC)

Input Voltage	Dual 50..57 VDC
Power Consumption	32 W (incl. PoE)
Connector	Screw terminal, 4 pin

Mechanical

Dimensions	26.1 (W) x 70 (D) x 95 (H)mm (without connectors)
Mounting depth	34 mm
Weight	210 g
Housing Color	black
Mounting	DIN35 rail, Wall
Protection class	IP-30

Order Information

Description

Article Number

Industrial Fast Ethernet Bridging Converter with PoE, 1x 10/100TX PoE+ (PSE) to 100FX SFP Port, IEEE802.3at comp. up to 30W, -40..+70°C	MS656059P
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