

## Features

- Flexible 10/100/100MBaseT(X) and 10/100BaseFX ports
- Extend network distances up to 120km
- Compact size for easy deploying
- Aluminum metal casing with IP40 protection, support high EMC level
- Wide range voltage 12~48V DC power input
- DIN-Rail Mounting and Wall Mounting supported
- -40 to 85°C wide operating temperature range

**RS PRO**

## 2 port Gigabit Ethernet Media Converters

RS Stock No.: 0149188



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

## Product Description

0149188 series Media Converters transparently connect 100Mbps or 1000Mbps RJ45 Copper to Gigabit SFP fiber.

The network media converter/media converter fiber/fiber network switch will automatically detect if the copper port speed is 100Mbps or 1000Mbps and convert the data rate if the fiber port speed is different.

Fiber to Ethernet Converters use a copper transceiver to transform the signal from a UTP/RJ45 Ethernet link to one that can be used by a fiber optic transceiver.

These media converters are used to enable connections of UTP copper-based Ethernet equipment to optical fiber cable such as multimode, single mode, or single strand fiber.

The benefits include, extending Ethernet links over greater distances, protecting data from noise and interference.

Hardware adopts fanless, low power consumption, wide temperature and voltage (DC12~48V) design and has passed rigorous industrial standard tests, which can suit for the industrial scene environment with harsh requirements for EMC.

This series support Auto-Negotiation and LED indicates, IP40 case, DIN35 rail or wall mounting.

It can be widely used in smart city, rail transit, smart city, safety city, new energy, intelligent manufacturing and other industrial fields.

## General Specifications

<b>10/100/1000M BaseT(X) Ports</b>	2 RJ45 connectors Full/Half duplex mode Auto MDI/MDI-X connection Auto negotiation speed
<b>10/100/1000M Base FX Ports</b>	1 to 2 Optical ports, Optional SC/ST/FC connector
<b>Protocols</b>	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X) and 100BaseFX IEEE 802.3x for flow control
<b>Switch Properties</b>	Processing Type: Store and Forward MAC Table Size: 1K Packet Buffer Size: 448Kbits

## Electrical Specifications

<b>Power Supply</b>	3 PIN Terminal Block(s) Power Consumption (Idle) Max 2.45W @ 24 VDC Power Consumption (Full) Max 2.64W @ 24 VDC Input Voltage 12/24/48 VDC Reverse Polarity Protection
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## Mechanical Specifications

<b>Length</b>	40mm
<b>Width</b>	102mm
<b>Depth</b>	128mm
<b>Weight</b>	300g

## Operation Environment Specifications

<b>Operating Temperature</b>	-40°C to 85°C
<b>Storage Temperature Range</b>	-40°C to 85°C
<b>Humidity</b>	5% ~ 95% (no condensing)

## Certification

<b>Certification</b>	IEC61000-4-2 (ESD): Power ±2KV Contact, ±15KV Air Relay ±2KV Contact, ±15KV Air; Data Cable ±15KV Air IEC61000-4-4 (EFT):Power±4KV, Data Cable ±4KV IEC61000-4-5 (Surge):Power±2KV CM/ ±1KV DM, Relay±2KV CM/±1KV DM IEC60068-2-27 (Shock) IEC60068-2-32 (Free Fall) IEC61000-6-2 (General Industrial Standard)
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## Approvals

<b>Compliance/Certifications</b>	CE / RoHs / FCC
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## Product

Parameters	0149188		
Optic Interface Type	LC		
Gigabit Copper Port	1		
Gigabit SFP Slot	1		
Operating Temperature: -	-40°C ~ +85°C		
Shell	IP40 protection, fanless design		
Industrial Standard	IEC61000-4-2 (ESD): Power ±2KV Contact, ±15KV Air IEC61000-4-4 (EFT):Power ±4KV, Data Cable ±4KV IEC61000-4-5 (Surge):Power ±2KV CM/ ±1KV DM, Relay±2KV CM/ ±1KV DM IEC60068-2-27 (Shock)IEC60068-2-32 (Free Fall) IEC61000-6-2 (General Industrial Standard)		
Power Supply	Input: Wide DC power input 12~48VDC (12V/24V/48V typical) Interface form: 7.62mm pitch terminal blocks No-load Consumption:< 0.48W (@24VDC) Full-load Consumption:< 4.8W (@24VDC)		

