

# 5 Port Industrial PoE+ Ethernet Switch with SFP Port for Fast Ethernet Fiber ESWP205-1SFP-T

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## PRODUCT FEATURES

- IEEE 802.3at/af PoE+ standard ports
- Up to 30 Watts output per PoE+ port
- Smart PoE+ over current, over temperature & short circuit protection
- -40 to 85 °C operating temperature range
- Industrial IP30 rated DIN rail enclosure
- SFP slot for Fast Ethernet Fiber
- Dual power inputs, 24 to 52 VDC

## ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
ESWP205-1SFP-T	Industrial Fast Ethernet Switch (4 Copper, 1 SFP)*

## ACCESSORIES

MODEL NUMBER	DESCRIPTION
808-38101	IE-SFP/155-ED, MM850-LC, 2 km
808-38102	IE-SFP/155-ED, MM1300-LC, 2 km
808-38103	IE-SFP/155-ED, SM1310-LC, 20 km
808-38104	IE-SFP/155-ED, SM1310/PLUS-LC, 40 km

\* [SFP fiber transceiver modules](#) sold separately.

The **ESWP205-1SFP-T** is an industrial PoE+ Ethernet switch that complies with IEEE 802.3at standards. It provides four PoE+ 10/100Mbps copper ports supplying up to 30W of power to PD devices such as CCTV and WI-FI. An SFP port is available to support 100Mbps fiber SFPs.

Unmanaged and easy to install in a variety of Ethernet applications, it provides PoE+, dual power inputs, wide temperature and an SFP form factor. The ESWP205-1SFP-T is designed to work in hard to reach and harsh environments.

**Power over Ethernet PoE+ 802.3at** provides 30W of power per port and is backwards compatible with 802.3.af devices. The switch detects and classifies a PD device before providing the required power to the PD device. PoE power simplifies the installation of PD devices by eliminating the need for additional cable and power supplies.

**Dual Power Input:** To reduce the risk of power failure, the ESWP205-1SFP-T provides two 24 to 52 VDC power inputs. If the power fails, the switch will automatically use the secondary power input.

**Flexible Mounting:** The switch features a space saving IP30 metal enclosure that can be DIN or panel mounted.

**Small Form-factor Pluggable (SFP) Port:** The SFP Port provides flexibility when planning a network. The slot can accept any MSA-compliant SFP module. Available in 100Mbps fiber types for SM, MM and SSF.

**Wide Operating Temperature:** With an operating temperature of -40 to 85 °C (-40 to 185 °F), this switch is suitable for use in some of the harshest industrial environments.

**Easy Troubleshooting:** There are two LED indicators for each copper port that display the link status and transmission speed. There are two LED indicators for power (P1, P2) display power status. There are LED indicators for each copper PoE+ port that show the status of PoE+ power, to indicate if a PD device is connected and functioning.

All product specifications are subject to change without notice.  
ESWP205-1SFP-T\_1217ds

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## SPECIFICATIONS

INTERFACE	
RJ-45 Ports	4 x 10/100, Auto MDI/MDI-X
PoE Pinout	Alternative B
SFP	SFP form factor for MSA-compliant Fast Ethernet Fiber
LED Indicators	P1 (Power 1), P2 (Power 2), L1 LINK/ACT (SFP Port) LEDs RJ-45 Ports have 2 LEDs to indicate LINK/ACT PoE+ 2 ~5 - indicate PD status
POWER	
Input Voltage	Dual 24 to 52 VDC inputs
Power Connection	Removable terminal block
Wire Size	12 to 24 AWG
Power Budget	125 Watts
ENVIRONMENTAL	
Operating Temperature	- 40 to 85°C (-40 to 185°F)
Storage Temperature	- 40 to 85°C (-40 to 185°F)
Operating Humidity	5 to 95% (non-condensing)
MECHANICAL	
Enclosure	Slim IP30 metal enclosure
Mounting	DIN rail or panel mount attachments
Dimensions	11.0 x 7.6 x 4.5 cm (4.33 x 2.99 x 1.77 in)
Weight	452g
MEANTIME BEFORE FAILURE (MTBF)	
MTBF	466,812 hours

CERTIFICATIONS	
Safety	IEC/UL/EN60950-1
EMI	CE, FCC Part 15, EN55022: Class A CE EN61000-6-4 (Industrial) CE EN61000-4-2 (ESD) CE EN61000-4-3 (RS) CE EN61000-4-4 (EFT) CE EN61000-4-5 (Surge) CE EN61000-4-6 (CS) CE EN61000-4-8 CE EN61000-4-11 CE EN61000-6-2 (Industrial)
EMS	
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
RoHS, REACH, WEEE	
IEEE STANDARDS	
IEEE 802.3	802.3. 10Base-T Ethernet
IEEE 802.3u	100Base-TX and 100Base-FX Fast Ethernet
IEEE 802.3af/at	Power-over-Ethernet
IEEE 802.3x	Flow Control and Back Pressure
NETWORK SPECIFICATIONS	
Transfer Rate	14,880 pps Ethernet Port 148,800 pps Fast Ethernet Port
Buffer	64 Kbits
MAC Table	1K
Jumbo Frame	Up to 1536 bytes
Other	Broadcast Storm Control: Disabled CSMA/CD
WARRANTY	
Limited Lifetime	

## MECHANICAL DIAGRAM

