

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

B+B SMARTWORX

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- IEEE 802.3at/af PoE+ standard ports
- Up to 30 watts output per PoE+ port
- Smart PoE+ over current, over temp & 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

## PRODUCT FEATURES

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.

## ORDERING INFORMATION

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

## ACCESSORIES

| MODEL NUMBER | DESCRIPTION   |
|--------------|---|
| 808-38201    | IE-SFP/1250-ED, MM850-LC, 220/550m                        |
| 808-38200    | IE-SFP/1250-ED, SM1310-LC, 20KM                           |
| 808-38203    | IE-SFP-1250-ED, SM1310/PLUS-LC, 40KM                      |
| SDR-240-24   | DIN rail mount power supply 24VDC, 10A, 240W output power |

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ESWP205-1SFP-T



## 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<br>P1 (Power 1), P2 (Power 2),<br>L1 LINK/ACT (SFP Port) LEDs |
| LED Indicators | RJ-45 Ports have 2 LEDs to indicate LINK/activity<br>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  |

### CERTIFICATIONS

|           |  |
|-----------|--|
| Safety    | IEC/UL/EN60950-1   |
| EMI       | CE, FCC Part 15, EN55022: Class A<br>CE EN61000-6-4 (Industrial)   |
| EMS       | CE EN61000-4-2 (ESD)<br>CE EN61000-4-3 (RS)<br>CE EN61000-4-4 (EFT)<br>CE EN61000-4-5 (Surge)<br>CE EN61000-4-6 (CS)<br>CE EN61000-4-8<br>CE EN61000-4-11<br>CE EN61000-6-2 (Industrial) |
| 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<br>148,800 pps Fast Ethernet Port |
| Buffer        | 64 Kbits   |
| MAC Table     | 1K   |
| Jumbo Frame   | Up to 1536 bytes   |
| Other         | Broadcast Storm Control: Disabled<br>CSMA/CD               |

### WARRANTY

Limited Lifetime

## MECHANICAL DIAGRAM

