

## Ethernet switch, 5 ports, Gigabit - PoE/PoE+ ETHSW50P



- 1x 10/100/1000BaseT(X)
- 4x 10/100/1000BaseT(X) with PoE / PoE+
- Unmanaged / Plug and Play
- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x
- IEEE 802.1p: CoS, 4 queues per port
- IEEE 802.3af PoE
- IEEE 802.3at PoE+
- Supports jumbo frames up to 9000 bytes
- Broadcast and multicast flooding storm control
- Redundant power input
- Operating temperature -40 °C to +75 °C
- Protection class IP30
- **Note:** Unfortunately, we are currently unable to offer you a power supply unit (48 to 58 VDC) for PoE operation of the above-mentioned switch

<https://www.wachendorff-prozesstechnik.de/en/ETHSW50P>

### Description

The ETHSW50P is a very compact and robust Industrial Ethernet switch with 5x 10/100/1000BaseT(X). Of these, 4 ports are equipped with PoE and PoE+. Power over Ethernet (PoE) is a technology for transmitting power and data via a single Ethernet cable - simultaneously. PoE according to IEEE 802.3af delivers a power of 12.95 W to the end user, the extended PoE+ according to IEEE 802.3at even 21.9 W. In addition to IEEE 802.3, IEEE802.3u, IEEE 802.3ab and IEEE802.3x, CoS according to IEEE 802.1p is also supported. Four queues (priority classes) are available per port for this purpose. The compact housing, certified to protection class IP30, was developed for use in harsh and demanding industrial environments where large temperature differences and physical stresses are known to occur.

The ETHSW50P is an unmanaged and plug and play switch with a non-blocking/wirespeed Layer 2 switching engine. Secure transmission is guaranteed thanks to the Store and Forward operating mode. The switchable Flooding Storm Control function protects against unwanted occupation of the available transmission rate by broadcast or multicast data frames.

### Product details

Operating mode:	Store and Forward
Switching engine:	wire-speed / non-blocking
Ethernet standards:	<ul style="list-style-type: none"> <li>• IEEE 802.3 (10BaseT)</li> <li>• IEEE 802.3u (100BaseTX)</li> <li>• IEEE 802.3ab (1000BaseTX)</li> <li>• IEEE 802.1p (CoS)</li> <li>• IEEE 802.3x (Full Duplex) and Back-Pressure (Half Duplex)</li> <li>• IEEE 802.3af (PoE)</li> <li>• IEEE 802.3at (PoE+)</li> <li>• Jumbo Frames 9K</li> </ul>
RJ45 ports:	5x 10/100/1000BaseT(X)  1x 10/100/1000BaseT(X) + 4x 10/100/1000BaseT(X) PoE/PoE+
RJ45 - Speed:	Auto-negotiation (10/100/1000 Mbit/s)
RJ45 - Duplex:	Half or full duplex
RJ45 connection:	MDI/MDIX Auto-Crossover

DIP switch:	1x Flooding Storm Control
MAC table size:	2K
Display:	2x Power Status: P1, P2 - Power supply status 5x Ethernet port status: Link & Speed 4x Ethernet port status: PoE
Power supply:	Redundant input terminal block connector with reverse polarity protection
Voltage range:	12 to 58 VDC 48 to 58 VDC for PoE 54 to 58 VDC for PoE+
Power consumption:	123 W, full load
Operating temperature:	-40 °C to +75 °C (cold start at -40 °C)
Storage temperature:	-40 °C to +85 °C
Humidity:	5 % to 95 % rH (non-condensing)
FCC/EMI:	FCC Part 15 CISPR 22 (EN55022), Class A
Vibration:	IEC60068-2-6
Shock:	IEC60068-2-27
Free fall:	IEC60068-2-32
CE (EMS):	IEC61000-4-2 IEC61000-4-3 IEC61000-4-4 IEC61000-4-5 IEC61000-4-6 (Level 3)
RoHS and WEEE:	compliant
Protection class:	IP30
Execution:	Robust metal housing
Dimensions (WxHxD):	29.1 mm x 139.0 mm x 107 mm
Weight:	469 gram
Assembly:	DIN rail or wall mounting
Scope of delivery:	Device, terminal strip connector, DIN rail holder, wall mounting bracket, M4 screws, operating and installation instructions

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Manufacturer: Wachendorff Prozesstechnik GmbH & Co KG, Germany

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**Products Order no.**

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ETHSW50P 5-way Ethernet switch, Gigabit, PoE/PoE+, unmanaged

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**Accessories Order no.**

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CPNLRJ45 RJ45 to RJ45 panel connector / panel front IP 68

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KABETH10 Patch cable, RJ45 UTP CCA, CAT5e white, 0.3 m

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KABETH11 Patch cable, RJ45 UTP CCA, CAT5e white, 1 m

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KABETH12 Patch cable, RJ45 UTP CCA, CAT5e white, 2 m

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