

Ethernet switch, 4-/8 ports, Profinet-capable - ETHSW4PR / 8PR



- 10/100 Base T(X) via RJ45 connector
- Supports IEEE 802.3/ 802.3u/ 802.3x
- Industrial Ethernet switch unmanaged
- 10/100, full/half duplex, MDI/MDI-X auto detection
- Broadcast overflow detection and protection
- Redundant power supply
- Simple mounting on the DIN rail
- Robust industrial metal housing
- Profinet-capable: Prioritization of Profinet data packets / all LLDP packets are forwarded

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

Description

The Ethernet switch ETHSWxPR is a compact industrial switch with 4 or 8 Ethernet ports and was developed for use in harsh and demanding industrial environments where large temperature differences and physical stresses are not unknown. For this reason, it is the ideal module for building management, water utilities, power plants, telecom installations, transportation monitoring and critical industrial applications.

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In normal operation, broadcast packets are forwarded to all ports except the source port. If a number of packets is exceeded within a specified time interval, further broadcast or multicast packets are discarded. After this time interval (approx. 800 ms), forwarding starts again. The ETHSWxPR has two different power supplies to ensure reliable operation. Trouble-free operation is ensured even if one power supply fails.

Product details

Interfaces:	Ethernet: 4-/8-port RJ45 ports for 10/100 BaseT(X) with automatic speed detection, full/half-duplex mode and automatic MDI/MDI-X connection.
Display:	2 LEDs for Ethernet 10/100MB data transmission and power supply.
Power supply:	Dual 9 VDC to 48 VDC via 5-pole terminal strip, max. 4 watts; internal reverse polarity protection.
Protection class:	IP30
Housing:	Sturdy metal housing with protection class IP50.
Dimensions:	ETHSW4PR: W 22.5 mm x H 110.0 mm x D 78.0 mm ETHSW8PR: W 45.3 mm x H 110.0 mm x D 89.6 mm
Ambient temperature:	Operation: -20 °C to +75 °C. Storage: -40 °C to +85 °C. Humidity: 5 % to 95 %, non-condensing
Approvals / Conformities:	CE, FCC, UL, and RoHSII
Weight:	approx. 255 gram

Norms and standards:

UL (Safety): UL60950-1, 2nd Ed.
CSA C22.2 No. 60950-1-07 2nd Ed.
FCC (EMI): EN 55022:2006/A1:2007 Class A
EN 61000-3-2:2006
EN 6100-3-3: 1995/A1:2001/A2:2005
CE (EMS): EN 55024:1998/A1:2001/A2:2003
(IEC 61000-4-2:1995/A2:2000)
IEC 61000-4-3:2002
IEC 61000-4-4:2004
IEC 61000-4-5:1995/A1:2000
IEC 61000-4-6:1996/A1:2000
IEC 61000-4-8:1993/A1:2000
IEC 61000-4-11:1994/A1:2000
Shock: IEC 60068-2-27
Free fall: IEC60068-2-32 (ISTA test procedure 2A)
Vibration: IEC 60068-2-64
RoHS: lead free

Scope of delivery:

Device, terminal strip connector, instructions

Manufacturer:

Wachendorff Prozesstechnik GmbH & Co KG, Germany

Products Order no.

ETHSW4PR	4-port Ethernet switch, unmanaged
ETHSW8PR	8-way Ethernet switch, unmanaged

Accessories Order no.

DRS4-24A	Power supply unit for DIN rail, 85 to 264 VAC, 24 VDC 4.2 A, screw terminal
CPNLRJ45	RJ45 to RJ45 panel connector / panel front IP 68
KABETH10	Patch cable, RJ45 UTP CCA, CAT5e white, 0.3 m
KABETH11	Patch cable, RJ45 UTP CCA, CAT5e white, 1 m
KABETH12	Patch cable, RJ45 UTP CCA, CAT5e white, 2 m



Wachendorff Prozesstechnik GmbH & Co. KG
Industriestrasse 7 • 65366 Geisenheim
Germany

Phone: +49 (0) 67 22 / 99 65 - 20
E-Mail: wp@wachendorff.de
www.wachendorff-prozesstechnik.de

