



Industrial Ethernet-Switch unmanaged, 10/100/1000 Mbit

5-port, unmanaged, 10/100/1000 Mbit

- Store-and-Forward architecture
- 10BASE-T/100BASE-TX/1000BASE-T
- Full-/Half-Duplex
- Auto negotiation
- Auto MDI/MDI-X (IEEE 802.3u Auto crossover support)
- QoS-Priority-Queues: 8
- LLDP & PTCP Delay-Traffic blocking (for PROFINET networks)
- PROFINET Conformance Class A
- 16K MAC address lookup table
- 256 Kbyte memory for frame buffering
- 51.2 Gbps high-performance memory bandwidth
- support Jumbo frame sizes up to 10KByte

The new Helmholz unmanaged Ethernet switches for up to 1000 Mbit (Gigabit) can be used for a variety of industrial applications because of their very compact design. The lightweight and tough industrial design is suitable for mounting on a DIN rail and can be easily integrated into your network. Once plugged in, it's ready for use thanks to the simple Plug & Play solution. The tool-free push-in connection for the power supply supports you.

The unmanaged Ethernet switch is suitable for PROFINET networks. The LLDP (neighborhood detection) and PTCP (time synchronization) functions are handled correctly with the switch in accordance with the PROFINET standard. The unmanaged Ethernet switch thus corresponds to PROFINET Conformance Class A.

With this variant of the unmanaged Ethernet-Switch, you can connect up to 5 Ethernet participants with up to 1000 Mbps. A mixed operation with devices that support only 10 or 100 Mbit is possible without configuration effort. If you would like to connect more participants, we recommend our 8-Port or 16-port unmanaged Ethernet Switches.

Technical specifications

General information	
Order number	700-841-5E501
Article name	Ethernet-Switch 5-port, unmanaged, 10/100/1000 Mbps
Scope of delivery	Ethernet 5-port switch with power supply plug, short manual
Dimensions (DxWxH)	32.5 x 48.5 x 80.5 mm
Weight	Approx. 115g
LAN interface	
Number	5
Type	10/100/1000Base-T/TX, Full/Half-Duplex, Auto negotiation, Auto MDI/MDI-X
Connection	RJ45
Transmission rate	10/100/1000 Mbps
Status indicator	1 LEDs power display, 10 LEDs Ethernet status
Voltage supply	24 V DC (18...30 V DC)
Current draw	max. 130 mA with 24 V DC

Power dissipation	3,2 W
Ambient conditions	
Ambient temperature	-25 °C ... +75 °C
Transport and storage temperature	-40 °C ... +85 °C
Relative air humidity	95 % r H without condensation
Pollution degree	2
Protection rating	IP20
Certifications	CE, UL
CE	
RoHS	Yes
REACH	Yes
UL	
UL	UL 61010-1/ UL 61010-2-201
Voltage supply	DC 24 V (18 ... 30 VDC, SELV and limited energy circuit)
Pollution degree	2
Altitude	Up to 2000 m
Temperature cable rating	87 °C