FLEXtra Ethernet-Switch
16-Port, unmanaged, 10/100/1000 Mbps

- 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
- 2x 16K MAC address lookup table
- 2x 256 Kbyte memory for frame buffering
- Up to 51 Gbps high-performance memory bandwidth
- Supports Jumbo frame sizes up to 10KByte
- Redundant power supply

The new Helmholz FLEXtra Ethernet switch unmanaged for up to 1000 Mbit (Gigabit) can be used for a wide range of industrial applications thanks to its very compact design. The lightweight yet robust industrial design is suitable for DIN rail mounting and is very easy to integrate into your network. Once plugged in, it is immediately ready for operation due to the simple plug & play solution. The tool-free push-in connection for the redundant power supply supports you in this.

The practical design with the intelligent arrangement of the Ethernet sockets saves space in the control cabinet. The status LEDs on the top of the FLEXtra Ethernet switch, which are always clearly visible, enable easy diagnostics even when the cabling is full.

The FLEXtra Ethernet switch unmanaged is suitable for PROFINET networks. The LLPD (neighbor detection) and PTCP (time synchronization) functions are handled correctly with the switch according to the PROFINET standard. The FLEXtra Ethernet switch unamanged thus complies with PROFINET Conformance Class A.

Switches with full PROFINET functionality and Conformance Class B can be found here: PROFINET-Switch 16-port, managed

With the FLEXtra Ethernet switch you can connect up to 16 Ethernet nodes with up to 1000 Mbps. Mixed operation with devices that only support 10 or 100 Mbit is possible without configuration effort. If you want to connect less nodes, we recommend our also available 5/8-port unmanaged Ethernet switches.

Technical specifications

General information	
Order number	700-845-16S01
Article name	FLEXtra Ethernet Switch 16-Port, unmanaged, 10/100/1000 Mbps
Scope of delivery	Ethernet 16-port switch with power supply plug
Dimensions (DxWxH)	78 x 125 x 111 mm
Weight	Approx. 550 g
LAN interface	
Number	16
Type	10BASE-T/100BASE-TX/1000BASE-T, Full/Half-Duplex, Auto

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Änderungen und Irrtümer vorbehalten. 06-2022

	negotiation, Auto MDI/MDI-X
Connection	RJ45
Transmission rate	10/100/1000 Mbps
Status indicator	1 LEDs power, 16 LEDs Ethernet status (bicolour)
Voltage supply	2x 24 V DC (18...30 V DC), redundant
Current draw	max. 400 mA with 24 V DC
Power dissipation	Max. 9,6 W
Mounting position	Any
Ambient conditions	
Ambient temperature	-40 °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
CE	
RoHS	Yes
REACH	Yes