



INNOVATIVE NETWORKING OF AUTOMATION

with Helmholz PROFINET and Ethernet switches

www.helmholz.com

Helmholz[®]
COMPATIBLE WITH YOU

MORE PORTS. MORE SPEED. COUNTLESS APPLICATIONS.

Reliable switches form the basis of networks. The range extends from space-saving unmanaged plug-and-play switches to hybrid variants as managed PROFINET with SFP fiber optics and 1 Gbit Ethernet.



PRODUCT HIGHLIGHTS:

- Versions with 5, 8, or 16 ports
- Minimal space requirement on the DIN rail
- Very low installation depth
- Versions for 100 Mbps and 1000 Mbps
- PROFINET Conformance Class A
- Ready for immediate use thanks to simple plug & play installation

FLEXtra SLIM Ethernet-Switches 5/8/16 port, unmanaged, 100/1000 Mbps

The new FLEXtra SLIM switches in an ultra-compact design are suitable for control cabinets with very limited space on the DIN rail.

The unmanaged FLEXtra SLIM 5 port Ethernet switch, for example, impresses with its lightweight yet robust design. Equipped with up to 100 Mbps – in a space-saving width of only 24 mm and a depth of 45 mm – it is also suitable for control cabinets with limited space.



Product
information

ORDER DETAILS

	100 Mbps	1000 Mbps
FLEXtra SLIM Ethernet-Switch 5 port, unmanaged	700-842-5ES01	700-843-5ES01
FLEXtra SLIM Ethernet-Switch 8 port, unmanaged	700-842-8ES01	700-843-8ES01
FLEXtra SLIM Ethernet-Switch 16 port, unmanaged	700-842-16S01	–
FLEXtra SLIM Ethernet-Switch 6xRJ45+2xSFP, unmanaged	–	700-844-6FO21



PRODUCT HIGHLIGHTS:

- Versions with 5, 8, or 16 ports, unmanaged
- Simple plug-and-play solution
- Easy network integration
- Pluggable push-in terminal block

FLEXtra FLAT Ethernet-Switch 5/8/16 port, unmanaged, 100/1000 Mbps

Connect up to 16 Ethernet participants without additional configuration.

Ensure maximum speed for your manufacturing and process industry. The lightweight yet robust industrial design is suitable for mounting on DIN rails and can be easily integrated into your network.

Once plugged in, it is immediately ready for operation thanks to the simple plug & play solution. The tool-free push-in connection for the power supply supports you in this.



Product
information

ORDER DETAILS

	100 Mbps	1000 Mbps
FLEXtra FLAT Ethernet-Switch 5 port, unmanaged	700-840-5ES01	700-841-5ES01
FLEXtra FLAT Ethernet-Switch 8 port, unmanaged	700-840-8ES01	700-841-8ES01
FLEXtra FLAT Ethernet-Switch 16 port, unmanaged	700-840-16S01	700-841-16S01



PRODUCT HIGHLIGHTS:

- 8x M12 connectors (d-coded)
- Waterproof and dustproof (IP67)
- Extended temperature range (-40 °C ... +75 °C)
- Store-and-forward architecture
- Control cabinet-free installation

FLEXtra IP67 Ethernet-Switch 8xM12, unmanaged, 100 Mbps

Reliable networking even under the toughest operating conditions.

With its high IP67 protection rating and temperature range from -40 °C to +75 °C, the unmanaged Ethernet switch IP67 is ideal for use in harsh industrial environments. The product is ideal for installation without a control cabinet. Once plugged in, it is immediately ready for operation thanks to its simple plug & play solution.



Product
information

ORDER DETAILS

FLEXtra IP67 Ethernet-Switch 8xM12, unmanaged, 100 Mbps	700-847-8ES01
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COMING SOON:
6xRJ45+2xSFP*

FLEXtra SLIM PROFINET-Switches 5/8 port, managed, 100 Mbps

With integrated PROFINET functionality, the new FLEXtra SLIM switches ensure stable and transparent automation networks.

PRODUCT HIGHLIGHTS:

- Versions with 5 or 8 ports
- Minimal space requirement on the DIN rail
- Very low installation depth
- Versions for 100 Mbps
- PROFINET Conformance Class B
- Ready for immediate use thanks to simple plug & play installation

The PROFINET switches in the FLEXtra SLIM series combine compact design with powerful PROFINET integration. They support reliable real-time communication and enable seamless integration into PROFINET networks. This makes them the ideal solution for structured, future-proof automation networks where availability, transparency, and fast fault localization are crucial.



ORDER DETAILS

FLEXtra SLIM PROFINET-Switch 5 port, managed, 100 Mbps	700-852-5PS01
FLEXtra SLIM PROFINET-Switch 8 port, managed, 100 Mbps	700-852-8PS01
FLEXtra SLIM PROFINET-Switch 6xRJ45+2xSFP*, managed, 100 Mbps	700-854-6FO21



FLEXtra FLAT PROFINET-Switches 4/8/16 port, managed, 100 Mbps

Supports PROFINET according to Conformance Class B and offers transmission reliability through ring redundancy as an MRP client.

PRODUCT HIGHLIGHTS:

- Versions with 4, 8, or 16 ports
- Prioritization of PROFINET telegrams
- Neighborhood detection / topology
- Device replacement without programming device
- Simple configuration and diagnostics
- Integration into the automation network with GSDML file

The managed switch can distinguish whether the telegram is a web request, an FTP file transfer, a media stream, or a PROFINET telegram. In the event of a high transmission load, important telegrams can thus be prioritized to prevent telegram loss.



ORDER DETAILS

FLEXtra FLAT PROFINET-Switch 4 port, managed, 100 Mbps	700-850-4PS01
FLEXtra FLAT PROFINET-Switch 8 port, managed, 100 Mbps	700-850-8PS01
FLEXtra FLAT PROFINET-Switch 16 port, managed, 100 Mbps	700-850-16P01



FLEXtra IP67 PROFINET-Switch 8xM12, managed, 100 Mbps

IP67 protection makes it ideal for harsh industrial environments.

PRODUCT HIGHLIGHTS:

- 8x M12 connection (d-coded)
- Extended temperature range (-40 °C ... +75 °C)
- Control cabinet-free installation
- Transmission reliability through ring redundancy as MRP client

The managed PROFINET switch impresses with its robust, dustproof, and water-resistant housing and offers maximum flexibility for every application thanks to freely configurable ports.



ORDER DETAILS

FLEXtra IP67 PROFINET-Switch 8xM12, managed, 100 Mbps	700-857-8PS01
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FLEXtra STAGE PROFINET-Switch 10/16 port, managed, 100/1000 Mbps

The FLEXtra PROFINET switch from Helmholz connects IT and control systems with flexible port assignment.

PRODUCT HIGHLIGHTS:

- Freely configurable PROFINET ports
- Fail-safe operation thanks to redundant power supply
- Optimal cable management thanks to stepped design
- Easy diagnostics thanks to clearly visible LED arrangement on the top

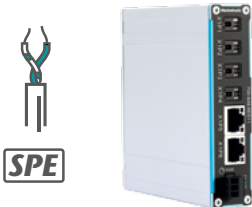
Gigabit on three levels! The FLEXtra PROFINET switch is equipped with 100 Mbps and 1 Gbit/s ports. This makes the switch ideal for both PROFINET traffic and communication between control elements and various machines. In addition, SFP modules can be used for connection via fiber optics (FO).



Product
information

ORDER DETAILS

FLEXtra STAGE PROFINET-Switch 16 x RJ45, managed, 1000 Mbps	700-855-16P01
FLEXtra STAGE PROFINET-Switch FO 12x RJ45 / 4x SFP, managed, 1000 Mbps	700-856-12F41
FLEXtra STAGE PROFINET-Switch FO 8x RJ45 / 2x SFP, managed, 1000 Mbps	700-856-8FO21



FLEXtra SLIM SPE-Switch 4x SPE, 2x RJ45, unmanaged, 1000 Mbps

With Single Pair Ethernet, the new switch enables efficient and future-proof integration of field devices into industrial networks.

PRODUCT HIGHLIGHTS:

- 4x SPE ports (10BASE-T1L) for ranges up to 1,000 m
- 2x RJ45 ports with up to 1 Gbit/s
- Very low installation depth
- PROFINET Conformance Class A
- Ready for immediate use thanks to simple plug & play installation

The FLEXtra SLIM SPE switch combines classic Ethernet structures with modern Single Pair Ethernet technology. It enables easy connection of SPE devices over long distances and ensures reliable data transmission in industrial applications. This makes it ideal for consistent, lean network structures down to the field level.



Product
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ORDER DETAILS

FLEXtra SLIM SPE-Switch 4x SPE, 2x RJ45, unmanaged, 1000 Mbps	700-848-6ES11
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Find the switch that's right for you!

Whether Ethernet, PROFINET, managed, unmanaged, or IP67 – get your customized network solution for permanent access to machines and systems.

Please request an individual quote at:

Phone +49 9135 7380-0 | E-mail sales@helmholz.de

