



Ethernet

PROFINET



IP67J
waterproof

INNOVATIVELY NETWORKING AUTOMATION

with the Helmholtz PROFINET and Ethernet switches

MORE PORTS. MORE SPEED. COUNTLESS APPLICATION POSSIBILITIES.

Reliable switches form the basis of networks. The assortment extends from space-saving, unmanaged plug&play switches to hybrid variants as managed PROFINET with SFP glass fibers and 1 Gbit Ethernet. For very rough industrial environments, we recommend switches of the protection class IP67.



PRODUCT HIGHLIGHTS:

- Variants with 4/8/16 ports
- Prioritizing of PROFINET frames
- Neighborhood detection / topology
- Device exchange without programming device
- Easy configuration and diagnostics
- Integration into the automation network with GSDML file

PROFINET switch 4-/8-/16-port, managed

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

The managed switch can differentiate whether the frame is a web query, an FTP file transmission, a media stream, or a PROFINET frame. In the case of a high transmission load, the important frames can thus be prioritized in order to prevent frame losses.



[Product info](#)

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PROFINET switch, 4-port, managed	700-850-4PS01
PROFINET switch, 8-port, managed	700-850-8PS01
PROFINET switch, 16-port, managed	700-850-16P01



PRODUCT HIGHLIGHTS:

- 8 M12 terminals (d-coded)
- Expanded temperature range (-40 °C ... +75 °C)
- Installation without control cabinet
- Transmission security through ring redundancy as MRP client

PROFINET switch 8-port, managed, IP67

Exceptionally well-suited for rough industrial environments thanks to IP67 protection.

The managed PROFINET switch convinces through its robust, dust-proof, and water-resistant housing and, thanks to freely configurable ports, offers maximum flexibility for any application.



[Product info](#)

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PROFINET switch, 8-port, managed, IP67	700-857-8PS01
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PRODUCT HIGHLIGHTS:

- PROFINET ports freely configurable
- Failure safety through redundant power supply
- Optimal cable management through stage design
- Simple diagnosis through easily visible LED layout on the top

FLEXtra PROFINET switch 16-port, managed, 10/100/1000 Mbps



The FLEXtra PROFINET switch from Helmholz combines IT and the control system world with flexible port assignment.

Gigabit at three levels! The FLEXtra PROFINET switch is equipped with 100 Mbps and 1 Gbit/s ports. The switch is thus ideally suited for both PROFINET traffic and for communication between operating elements and various machines.



[Product info](#)

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FLEXtra PROFINET switch, 16-port, managed, 10/100/1000 Mbps	700-855-16P01
FLEXtra PROFINET switch FO*, 16-port, managed, 10/100/1000 Mbps	700-856-12F41



Ethernet switch 5/8/16-port, unmanaged, 10/100/1000 Mbps

Connect up to 16 Ethernet participants without additional configuration.

Secure maximum speed for your production and process industry. The light and yet robust industrial design is suitable for installation on the DIN rail and can be very easily integrated into the network.

Once plugged in, they are immediately ready for operation with the simple plug&play solution. The tool-free push-in connection for the power supply supports installation.



[Product info](#)

PRODUCT HIGHLIGHTS:

- Variants with 5/8/16-port, unmanaged
- Simple plug&play solution
- Simple network integration
- Pluggable push-in terminal

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	Ethernet switch, 5-port, unmanaged	Ethernet switch, 8-port, unmanaged	Ethernet switch, 16-port, unmanaged
Variants up to 100 Mbps	700-840-5ES01	700-840-8ES01	700-840-16S01
Variants up to 1000 Mbps (1GB)	700-841-5ES01	700-841-8ES01	700-841-16S01



Ethernet switch 8-port, unmanaged, 10/100 Mbps, IP67

Reliable networking even under the the most difficult usage conditions.

Thanks to the high protection class of IP67 and the temperature range from $-40\text{ }^{\circ}\text{C}$ to $+75\text{ }^{\circ}\text{C}$, the unmanaged Ethernet switch IP67 is optimally designed for use in rough industrial environments. The product is ideally suited for installation without control cabinet. Once plugged in, they are immediately ready for operation with the simple plug&play solution.



[Product info](#)

PRODUCT HIGHLIGHTS:

- 8 M12 terminals (d-coded)
- Water-resistant and dust-proof (IP67)
- Expanded temperature range ($-40\text{ }^{\circ}\text{C}$... $+75\text{ }^{\circ}\text{C}$)
- Store-and-forward architecture
- Installation without control cabinet

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Ethernet switch 8-port, unmanaged, 10/100 Mbps, IP67	700-847-8ES01
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FLEXtra Ethernet switch 16-port, unmanaged, 10/100/1000 Mbps

Low space requirement, high performance!
Quick data transmission meets perfect cable management.

Thanks to its special design in stages and the related vertical cable management system, the FLEXtra Ethernet switch can be perfectly inserted into small control cabinets and sub-distributors. The always visible status LEDs on the front of the FLEXtra Ethernet switch enable easy diagnostics even with full wiring.



[Product info](#)

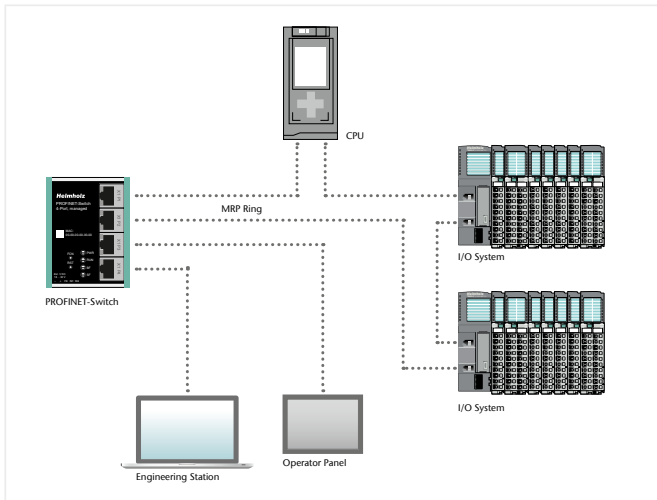
PRODUCT HIGHLIGHTS:

- 16 Ethernet ports to 1 Gigabit
- Optimal cable management through stage design
- Simple diagnosis through easily visible LED layout on the top
- Quick commissioning without configuration (plug & play)

ORDERING DATA

FLEXtra Ethernet switch, 16-port, unmanaged, 10/100/1000 Mbps	700-845-16S01
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PROFINET SWITCHES IN USE: DISCOVER THE TECHNICAL ADVANTAGES



- ✓ Prioritizing of PROFINET frames
- ✓ Assignment of a configuration via the device name
- ✓ Neighborhood detection
- ✓ Device exchange without programming device
- ✓ Ring redundancy
- ✓ Each port can be activated or deactivated
- ✓ Diagnostic messages for network problems
- ✓ Identification and maintenance data

Also interesting

PROFINET CONNECTOR, RJ45, EASYCONNECT®

The industrial-grade metal housing provides the necessary robustness, so that the connection can be used in many industrial areas. To save the user time when wiring, the RJ45 connectors can be assembled in a single work step using the **fast connection technology EasyConnect®**.



PRODUCT HIGHLIGHTS:

- Color-coded connector contact elements help to prevent connection errors
- Transmission rates up to 100 Mbps
- No loose individual parts
- Tool-free installation
- EasyConnect® RJ45 connection (IDC) for industrial applications
- For PROFINET, Modbus, and EtherCAT
- Available in 180°, 90°, and 145°



[Product info](#)

Find your appropriate switch!

Regardless of whether Ethernet, PROFINET, managed, unmanaged, or IP67 – secure 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



SCAN ME