

## Managed switches for the PROFINET infrastructure

Automation networks are becoming increasingly complex, and normal, unmanaged switches can no longer meet these requirements. With the new Helmholtz 4 and 8-port managed PROFINET switches, users can fully exploit the possibilities of their PROFINET networks. This is because one of the most important functions of a managed PROFINET switch is the prioritizing of the PROFINET frame traffic in the machine network. The 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.

With a GSDML file you can integrate the Helmholtz switches into your automation environment in the usual way. The compact and industry-compatible design for DIN rail installation convinces, as does the web interface for configuration and diagnosis. It is also possible to carry out a diagnosis and/or configuration via Telnet, SSH or USB.

The supported PROFINET protocols, such as LLPD, DCP, or even diagnosis alarms, can be easily configured and administered. The transmission speed of up to 100 Mbps, which can be defined for each port, is as much a standard feature as the PROFINET Conformance Class B and the MRP Client for transmission security through ring redundancy.

In addition to this, the network configuration can be assigned on the basis of the device name. Individual ports can also be activated or deactivated. Device replacement is easily possible without an additional programming device. Firmware updates of the new Helmholtz switches can be carried out easily via the web interface.

### Additional features

- Quick and easy configuration and diagnosis via web interface or PROFINET
- Configuration via command lines (Telnet, SSH, USB)
- Media redundancy: MRP client
- Port mirroring
- Network statistics (frames and errors)
- Time synchronization via SNTP

More about the product: [https://www.helmholz.de/prod.d,18\\_253.html?p\\_id=253](https://www.helmholz.de/prod.d,18_253.html?p_id=253)

### **Helmholz GmbH & Co. KG**

Hannberger Weg 2  
91091 Großenseebach  
Germany

Phone: +49 9135 7380-0  
Fax: +49 9135 7380-110  
E-mail: [info@helmholz.de](mailto:info@helmholz.de)  
[www.helmholz.com](http://www.helmholz.com)