



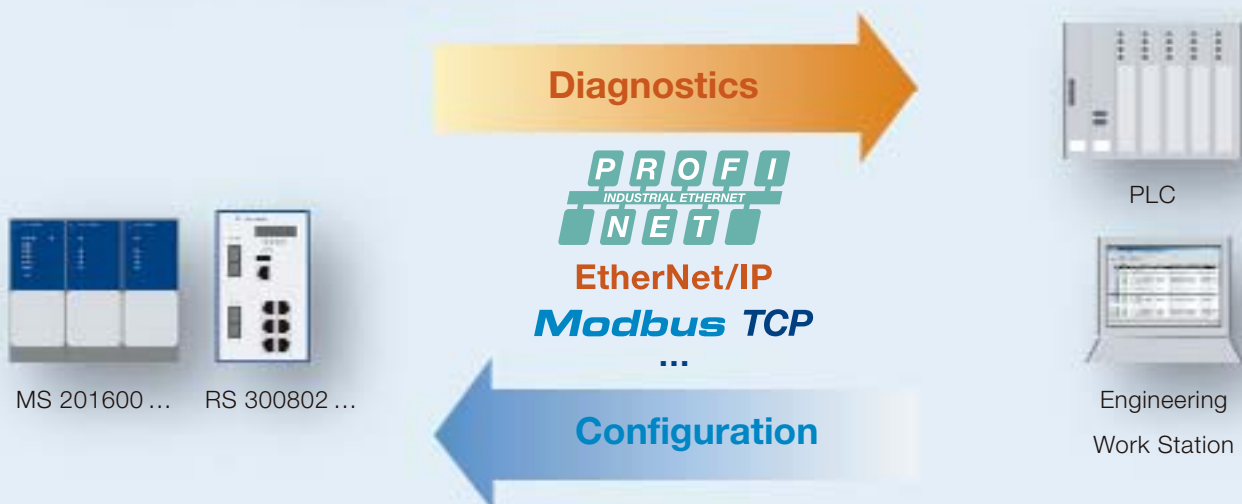
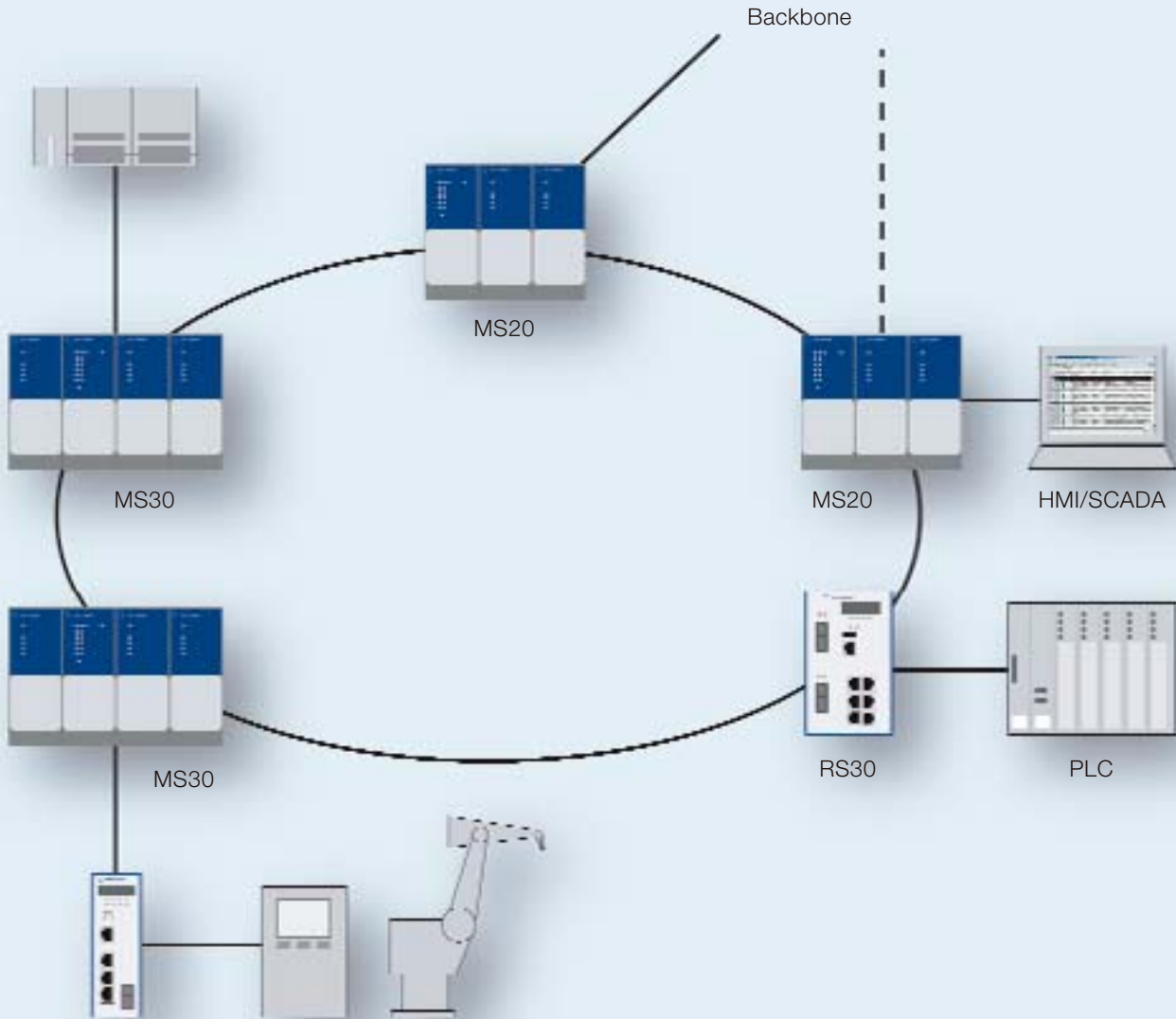
Hirschmann's Declaration of Independence: Industrial Application Profiles.

- flexible Industrial Profiles
- **PROFINET, EtherNet/IP or Modbus TCP**
- smooth integration in diagnostic concepts
- integration in Rail Switches, MACH or MICE products
- maximum flexibility with OpenRail

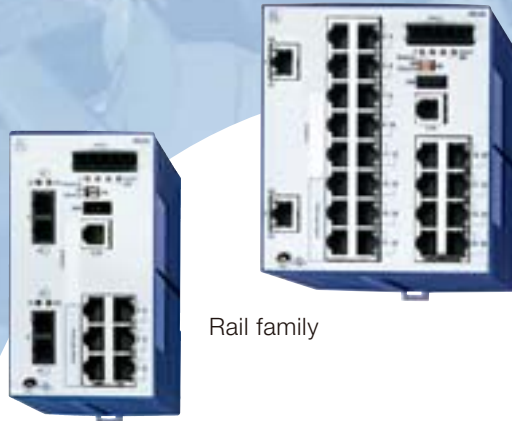


HIRSCHMANN

One for all and all in one: Industrial Application Profiles from Hirschmann.



A real Hirschmann switch has a high profile everywhere.



Rail family

PROFI
INDUSTRIAL ETHERNET
NET

EtherNet/IP

Modbus TCP

MACH family



MICE family



Requirements and Solutions

On the one hand, those who want to be up there with the leaders in industrial automation world-wide have to offer high quality and highly reliable, state-of-the-art products. On the other hand, these products must have a high capability for integration into the different industrial communication standards and profiles.

Here, with its Industrial Profiles, Hirschmann now offers a unique range as far as integration into the three major standard protocols **PROFINET**,

EtherNet/IP and **Modbus TCP** is concerned, and is the first manufacturer to offer application possibilities on a broad base.

The Industrial Profiles are uploaded as firmware into a wide selection of Rail Switches, MICE or MACH and enable configuration and monitoring by the manufacturers' own configuration tools in accordance with the plug & play principle.

Perfect Integration

Hirschmann enables the integration of the **PROFINET**, **EtherNet/IP** and **Modbus TCP** Industrial Profiles in all managed switches, from the distributed 4-port Rail Switch to the 52-port MACH 4000 Gigabit backbone switch.

This enables consistent, system-wide engineering with standard tools for the first time. From the simple commissioning and smooth integration into existing diagnostic concepts to the effortless exchange of defective components by automatic assignment of the configuration parameters.



EtherNet/IP

Modbus TCP

Thanks to the Industrial Profiles, Hirschmann products can be integrated perfectly in existing small or large networks both in mechanical engineering and in process automation.



Applications

As a neutral manufacturer, Hirschmann not only assumes a key role by making available the leading Industrial Application Profiles for Industrial ETHERNET, but also enables integration of Hirschmann quality products in the software tools of the automation manufacturers. Regardless of whether it is for Rail Switches, MICE or MACH products and whether we are dealing with applications in small or large

networks, in mining and mechanical engineering, in process or transport automation.

Hirschmann offers a wide range of tailor-made products with a high port density, high availability and fail safety. Individuality in series – which even includes the profile.

Product features

Depending on the existing network standard, the manufacturer's appropriate profile can be selected and delivered on request as part of the OpenRail ordering system.

Of course, other profiles can be "uploaded" later.

- profile selection options for all managed Hirschmann switches: Rail, MICE, PowerMICE and MACH 4000
- choice of 3 protocols: **PROFINET**, **EtherNet/IP** or **Modbus TCP**, others in preparation
- system-wide engineering
- seamless integration in diagnostic concepts
- maximum flexibility for all markets and networks

Hirschmann Competence Center

Innovative products are a hallmark of Hirschmann. But we do not stop there. With our extensive consultation, training and support services we provide you with a total solution. Visit our web site to see

how you can take advantage of a wide range of services – directly from the manufacturer.

www.hicomcenter.com



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Industrial ETHERNET
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Test & Measurement
Electronic Control Systems

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