



## COMPONENTS FOR PROFINET AND INDUSTRIAL NETWORKS

Industrial Remote Solutions | Industrial Ethernet | Fieldbus applications | Distributed fieldbus I/O system

## INDUSTRIAL REMOTE SOLUTIONS



**REX 100 Ethernet Router**  
WAN | LTE (EU & NAG) | WiFi



**REX 200/250 Ethernet Router**  
WAN | LTE | WiFi  
Optional with PROFIBUS and serial interface



**myREX24 V2 Portal**  
Secure IOT remote maintenance access  
Remote maintenance | Visualization | Alarming | Protocolling



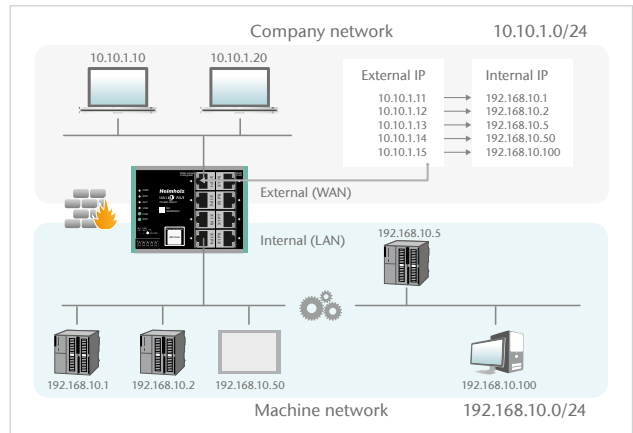
**myREX24 V2 virtual**  
Machine access and data sovereignty in your hands  
User-friendly | scalable

## INDUSTRIAL ETHERNET



**WALL IE – Industrial NAT Gateway/Firewall (PLUS, Standard, Compact)**

Secure communication and simple addressing.  
WALL IE protects your automation network against unauthorized access and integrates machine into the higher-level corporate network.



**FLEXtra FLAT Ethernet-Switch, 5/8/16-port, unmanaged, 10/100/1000 Mbps**  
Industrial Ethernet, smart networking, for flat control cabinets



**FLEXtra IP67 Ethernet-Switch, 8-port, unmanaged**  
Also available as PROFINET Switch, managed



**COMING SOON: PN-Switch, managed**  
**FLEXtra SLIM Ethernet-Switch, 5/8/16-port, unmanaged**  
With the ultra compact design, the switches fits perfectly into tiny control cabinets

## INDUSTRIAL ETHERNET | ACCESSORIES



**Mounting Rails, Memory Cards and Micro Memory Cards**  
for 1500/1200/300 series



**Industrial Ethernet/PROFINET Connector, RJ45, EasyConnect®**



**PROFIBUS Ethernet Gateway**  
NETLink® PRO Compact



**Ethernet Cable Guard**  
Reduction of Maintenance Costs and increase in System Availability

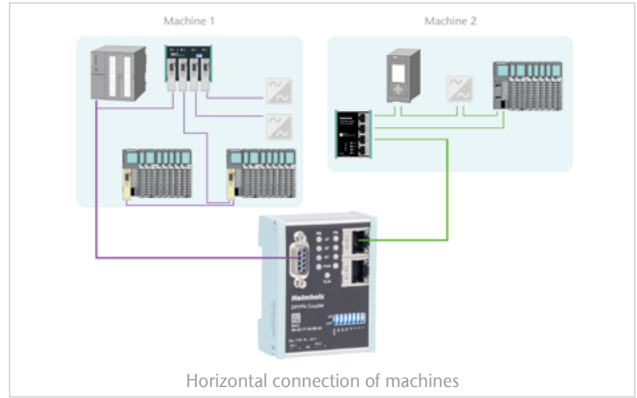
## FIELD BUS APPLICATIONS | PROFINET COUPLERS



PROFINET/PROFINET Coupler



PROFIBUS/PROFINET Coupler



PROFINET/ModbusTCP Coupler



PROFINET/EtherNetIP Coupler



PROFINET/EtherCAT Coupler



PROFINET/MQTT Coupler



## FIELD BUS APPLICATIONS | PROFINET SWITCHES



FLEXtra FLAT PROFINET-Switch, 4/8/16-port, managed, 10/100/1000 Mbps

Innovative networking automation



FLEXtra STAGE PROFINET-Switch, 8+2/12+4/16-port, managed

Also available as unmanaged switch  
PROFINET and GBit in one device

## FIELD BUS APPLICATIONS | CAN BUS



PROFINET/CAN Gateway

PROFINET/CANopen® Master |  
PROFINET/CANopen® Slave |  
PROFINET/CAN Layer 2 |  
PROFINET/CAN SAE J1939



CAN bus plug

90° | axial  
180° | axial

## NOVELTIES AND PRODUCT HIGHLIGHTS



### MQTT Broker

#### Industrial factory broker with firewall

A broker serves as the central hub for all MQTT topics distributed to various clients via Publish & Subscribe.

- MQTT V3 & V5 broker for your cabinet
- Web-based configuration
- Can be used as a firewall between machine MQTT and cloud MQTT (Firewall mode)



### FLEXtra SLIM SPE-Switch

#### The future of industrial networks

Up 1000 meters ethernet connection over cost effective cables with power distribution.

- 4-Port SPE Ethernet Standard T1L
- Power-over-Dataline (PoDL) up to 8W per port
- 2 Port RJ45 for daisy-chaining the switches



### Cabinet Guard

#### Real-time monitoring for control cabinets

Increases operational safety and minimizes downtime through continuous monitoring of temperature, humidity and door status.

- Check door status
- Internal and external temperature measurement
- Monitor cabinet vibration, shock and humidity
- Multi-purpose digital input
- Alarming and MQTT-messaging



### Subscribed to our newsletter?

Sign up now for our free **newsletter** and be the first to find out when we expand our **product portfolio**.

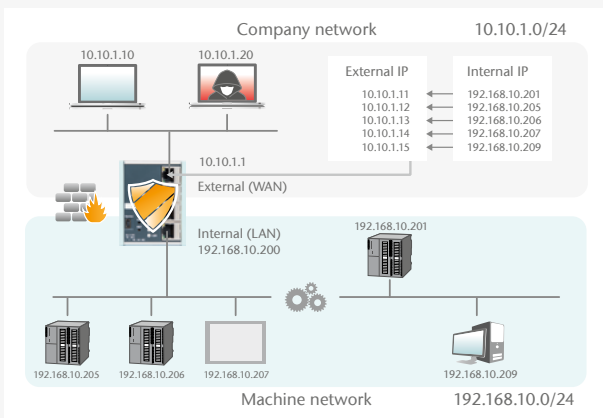
# SECURITY-BOOST FOR YOUR NETWORK SECURITY



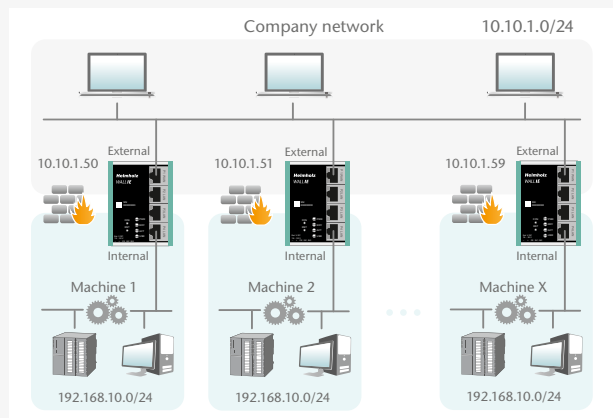
## WALLIE – Industrial NAT-Gateway/Firewall (PLUS, Standard, Compact)

The NAT Gateways/Firewalls in the WALLIE series meet the security requirements of IEC 62443 and offer targeted protection against unauthorized network access. Once installed, the easily configurable gateways permanently ensure secure processes and connections between the machine and production network.

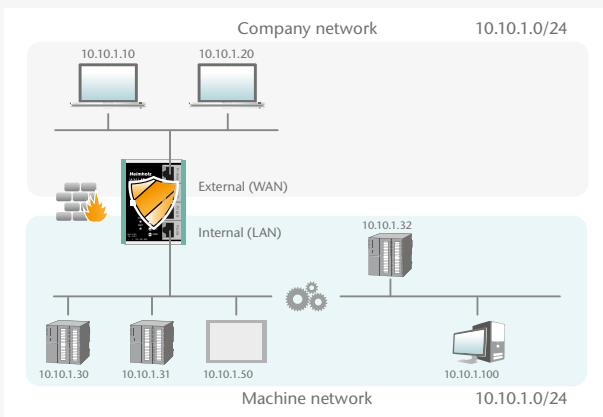
### NAT-Betriebsmodus (Basic NAT)



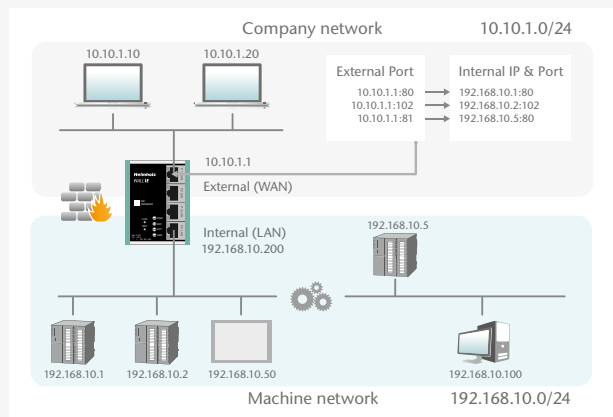
### NAT-Anwendung



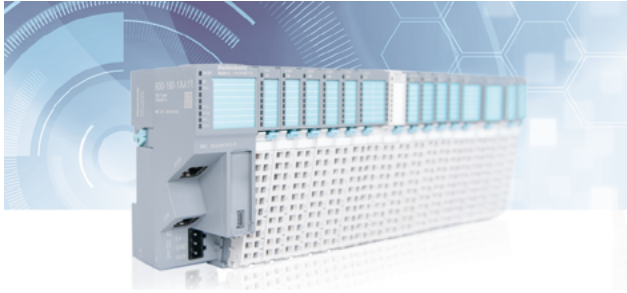
### Bridge-Betriebsmodus



### NAPT: Network Address and Port Translation



## DISTRIBUTED FIELDBUS I/O SYSTEM



### TB20

The I/O system for a variety of application areas; fieldbus-overarching and proven in practice.



3-part module structure | Freely definable auxiliary contact (auxiliary terminal) | Up to 1024 inputs/outputs per configuration possible | Hot-swap-capable modules



2, 3, 4, 6, 8-channel modules for digital and analog signals | 16x Digital-Input-Modul with a narrow installation width



Counter modules | SSI encoder interface | High-feature modules | Digital mix modules | DMS weighing module



### TB20 ToolBox V2

Software for: Elegant planning and configuration | Diagnostics in real time | Symbol import/export | Simulation mode



### Bus couplers

Direct supply of the I/O level, power module already integrated | Each I/O module can be used on all bus couplers without restriction | Up to 64 modules per bus coupler

THE FOLLOWING FIELDBUSES ARE CURRENTLY SUPPORTED:



## Find your appropriate components!

Regardless of whether PROFINET, PROFIBUS, ModbusTCP, EthernetIP, MQTT, or CAN – Secure your customized network solution for permanent access to machine and systems.

Please request an individual quote at:

BAHRAIN

Nakheel Business Tower , 11 Floor , Pro Business Center , Office

No 1105 Seef, Block 436 , Road : 3622 , Building : 1074

Phone +973 35386363| E-mail Quote@mlelecmecm-bh.com

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