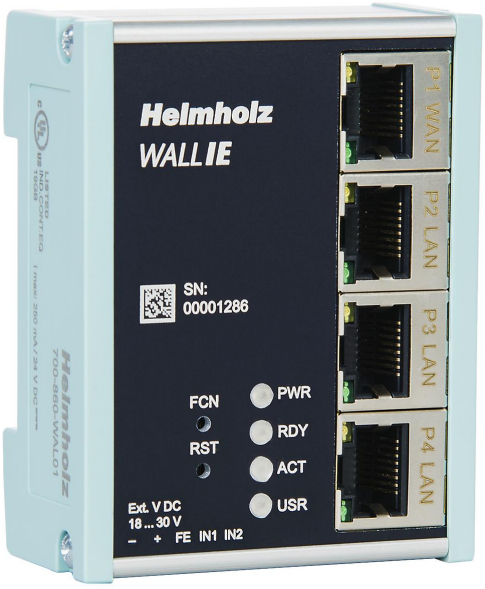
700-860-WAL01



WALL IE - Industrial NAT Gateway/Firewall

Standard

- Low effort for IP integration in higher-level networks (NAT)
- Integration of series machines with the same IP addresses in the production network
- 4 Ports with 100 MBit/s
- NAT (Basic NAT, NAPT und Portforwarding)
- SNAT: No adjustment of the network configuration in the LAN network necessary
- Access restriction through packet filters: IPV4 addresses, protocol (TCP/UDP/ICMP), ports, MAC addresses
- Reduction of the network load through the filtering of broadcasts and multi-casts
- Quick and easy configuration via a responsive web interface
- Easily integrate same IP subnets through port forwarding (NAPT)
- Reduced to the essential functionality
- Import and export of the configuration
- DHCP-Server (LAN) / DHCP-Client (WAN)
- DNS-Server (LAN)
- User administration
- Space-saving industrial design for DIN rail

Info

Secure communication and simple addressing – WALL IE protects your automation network against unauthorized access. Due to the individual configuration, the firewall can be easily adapted to the requirements of the respective machine network.

The NAT operating mode serves the forwarding of the data traffic between various IPv4 networks. It enables the address translation via NAT and uses packet filters for the limitation of access to the automation network located behind. In the bridge operating mode, WALL IE acts as a layer 2 switch. In contrast with normal switches, however, packet filtering is also possible in this operating mode. This means that the restriction of access to individual areas of your network can be achieved without having to use different networks for this purpose.

Technical data

General information	
Order number	700-860-WAL01
Article name	WALL IE – Industrial NAT Gateway/Firewall
Scope of delivery	WALL IE, Quick Start Guide
Dimensions (DxWxH)	32,5 x 58,5 x 76,5 mm
Weight	Approx. 130 g
Status indicator	4 LEDs, function status
Voltage supply	24 V DC, 18–30 V DC
Current draw	Max. 250 mA with 24 V DC
Power dissipation	Max. 2.4 W
I/O	
Amount	2 | 24 V (DC), as per DIN EN 61131-2 Type 2
WAN interface	
Number	1
Type	10 Base-T/100 Base-T
Connection	RJ45 socket
Transmission rate	10/100 Mbps
LAN interface	
Number	3
Type	10 Base-T/100 Base-T
Connection	RJ45 socket
Transmission rate	10/100 Mbps
Firewall functions	
Operating modes	Bridge, NAT (Basic NAT, NAPT)
Packet filter	IPV4 addresses, protocol (TCP/UDP),
Ports	"WAN to LAN" and "LAN to WAN" separated
MAC adresses	black & whitelisting
Ambient conditions	
Ambient temperature	-40 °C ... +75°C
Transport and storage temperature	-40 °C ... +85 °C
Relative air humidity	95 % r H without condensation
Pollution degree	2
Protection rating	IP20
Approvals	CE, UL
UL	
UL	61010-1/ 61010-2-201
Pollution degree	2
Voltage supply	24 V DC (18 ... 30 V DC, SELV and limited energy circuit)
Altitude	Up to 2,000 m
Temperature cable rating	87 °C