WALL IE Industrial NAT Gateway/Firewall

WALL IE – Industrial NAT Gateway/Firewall

- Low effort for IP integration in higher-level networks (NAT)
- Integration of series machines with the same IP addresses in the production network
- 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

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 specifications

General information	
Order number	700-860-WAL01
Article name	WALL IE
Scope of delivery	WALL IE, Quick Start Guide
Dimensions (DxWxH)	32,5 x 58,5 x 76,5 mm
Weight	Approx. 130 g
Number of inputs	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

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Änderungen und Irrtümer vorbehalten. 04-2021

Operating modes	Bridge, NAT (Basic NAT, NAPT)
Packet filter	IPV4 addresses, protocol (TCP/UDP), ports: "WAN to LAN" and "LAN to WAN" separated, MAC addresses (black & whitelisting)
Status indicator	4 LEDs, function status 8 LEDs, Ethernet 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
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
Certifications	CE, UL
UL	
UL	UL 61010-1/UL 61010-2-201
Voltage supply	24 V DC (18 … 30 V DC, SELV and limited energy circuit)
Pollution degree	2
Altitude	Up to 2,000 m
Temperature cable rating	87 °C
CE	
RoHS	Yes
REACH	Yes