W&T Wiesemann & Theis GmbH

www.WuT.de Networking, sensors and interface technology for industry, office and IT

Data sheet:

Microwall Bridge

Article no.: 55411

398.00 €

*Net price for commercial users

Protecting machines and equipment - without changing the IP setup

Segmenting network and isolating of sensitive network areas is one of the basic measures in virtually any IP security concept for protecting industrial environments. With the Microwall Bridge this can be done IP-transparently while the network configuration including routing of all involved components remains unchanged. Whitelist-based and using simple and intuitive filtering rules on the TCP/UDP/IP level only the explicitly desired communication between the island and the surrounding network is enabled. The protocol-transparent operation makes the Microwall Bridge especially suitable for post-segmenting of already existing network environments.

More info: Learn more about how the Microwall Bridge works compared with router solutions here.

Properties:

Interfaces:

- **2x Ethernet 100/1000BaseT**
  - Autosensing and Auto-MDIX
- **High data throughput**
  - Gigabit Ethernet
  - max. 900MBit/s
  - Low latency times thanks to powerful hardware platform

Connectivity:

- **Implementation as bridge**
  - No intervention in the routing concept of the network
  - No intervention in the IP configuration of the associated devices
- **Consistent whitelist-based firewall concept**
  - Filter rules based on IPv4 addresses and TCP/UDP port numbers
  - On request: Rule activation based on special user logins
- **Logging**
  - Identification of undesired communication attempts

Management & Security:

- **Secure firmware concept with Secure Boot**
  - No uploading of manipulated firmware or third-party firmware
- **Configuration via HTTPS-Only Mode**
  - Supports individual certificates
  - Fast startup using WuTility or DHCP
  - Required password without default login
- **Port management for all local services**
  - All service/management services can be configured/deactivated
- **Network management systems**
  - Optional support for SNMPv2c/3 (read)

Supply Voltage

- **External power**
  - Screw terminals, 24V-48V DC
- **Power-over-Ethernet (PoE)**

Standards & more

- **Conforms to standards both in office and industrial environments:**
  - High noise resistance per EN 61000-6-2
  - Low noise emission per EN 55032:2015 + A1 Cl. B, EN 61000-3-2 & EN 61000-3-3
- **5 year guarantee**

Wish for something!
Your suggestions for improvement and additions

Technical data:

Connections and displays:

Network:	2x 100/1000BaseT Autosensing/Auto-MDIX RJ45 IPv6 on request
Data throughput:	max. 900MBit/s
Galvanic isolation:	Network connections min. 1500 V
Supply voltage:	Power-over-Ethernet (PoE) or DC 24V .. 48V (+/-10%) and
Supply connection:	Plug-in screw terminal, 5.08mm spacing Labeled "L+" and "M"
Current consumption:	PoE Class 2 (3.84 W to 6.49 W) or for external supply: typ. 150mA @24V DC max. 200mA @24VDC
Indicators:	2x LEDs for network status 1x LED for Error

Housing and other data:

Housing:	Plastic compact housing for top-hat rail mount 105x22x75mm (LxWxH)
Enclosure rating:	IP20
Weight:	approx. 120g
Ambient temperature:	Storage: -40..+85°C Operating 0..+50°C (no stack mounting)
Permissible relative humidity:	5..95% RH, non-condensing
Scope of delivery:	1x Microwall Bridge 1x Quick Guide

Accessories

*Net unit price for commercial users

Power supplies

Plug-in power supply, 24V / 500mA DC with Euro plug	11021	21.00 €
Plug-in Power Supply, 24V / 750mA DC with Euro, US and UK plug	11026	38.00 €
Power supply for DIN rail, 24V / 630mA DC (merchandise, 2-year manufacturer's guarantee)	11080	33.00 €

Mechanical Accessories

Wall mount housing, enclosure rating IP66 / IP67	11120	54.00 €
Mounting bracket for wall mounting	58812	11.20 €
19" DIN rail	58813	21.00 €

Software

WuTility	00104	free
WuTool (app for iOS)	00115	free

* Our offering is intended only for commercial users. We will be happy to refer private end customers to trading partners through whom our products can be purchased.

Secure connection:

Allianz für Cyber-Sicherheit Teilnehmer

VDE CERT

We are available to you in person:

W&T
www.WuT.de
Wiesemann & Theis GmbH
Porschestr. 12
42279 Wuppertal

Phone: +49 202/2680-110 (Mon.-Fri. 8 a.m. to 5 p.m.)
Fax: +49 202/2680-265
info@wut.de

© Wiesemann & Theis GmbH, subject to mistakes and changes: Since we can make mistakes, none of our statements should be applied without verification. Please let us know of any errors or misunderstandings you find so that we can become aware of and eliminate them.