W&T Wiesemann & Theis GmbH

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

Data sheet:

Web-IO 4.0 Digital, 1x230V In, 1xRelay Out

Article no.: 57732

238.00 €

*Net price for commercial users

Switch, monitor and count ...

With the Web-IO 4.0 Digital 230V switching signals controlled, acquired and monitored over TCP/IP Ethernet. Numerous Web and network services are available for reporting changes on the input and output - including directly in the browser. With protocols such as OPC UA, MQTT and REST the Web-IO is an ideal fit in the world of Industry 4.0 and the Internet of Things.

Properties

Switching signals:

- **1 switching input:**
  - Digital input, 230V
  - 32-bit event counter
- **1 switching output:**
  - Potential-free output for 230V mains voltage
  - Switching currents up to max. 16A

Connectivity:

- **Intuitive Web interface** for simpler operation
  - Select between German or English
  - Switching the outputs directly from the Web interface
  - Adaptation for smartphone
  - HTTP and HTTPS
- **Current Industry 4.0 protocols:**
  - OPC UA, REST and MQTT support
  - AMQP on request
- **Box-to-Box**
  - Pass switching signals over the network 1:1
- **Alarm and reporting functions:**
  - Email for alarm sending or as status report
  - SNMP polling / alarm traps V1 V2 V3
  - Switching your outputs in alarm situations
  - Switching the outputs on another Web-IO
  - HTTP requests for controlling third-party devices
  - Up to 30 actions can be configured
- **Dynamic integration into other Web sites:**
  - Direct access to current IO states via HTTP requests, AJAX and JavaScript
- **Additional software interfaces for incorporating into your systems/databases:**
  - OPC UA, OPC DA
  - Modbus TCP
  - Syslog, SNMP V1 V2 V3
  - TCP and UDP sockets, client and server
  - HTTP, HTTPS, AJAX
  - FTP (data logging)

- **Internal clock**
  - Time synchronization using time server calibration
  - Battery-backed device clock
- **Possible applications:**
  - Remote monitoring and fault messaging
  - Cross-location switching
  - House and building automation
  - Process monitoring and visualization
  - Light, gate and cabinet control
  - Machine Data Collection (MDC)
  - More uses can be found here.

Power supply:

- **External**
  - Screw terminal
  - 230V AC (50Hz)

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, displays and control elements:

Digital output:	1 x potential-free contact, max. 16A
Digital input:	1 x digital in, max. input voltage 250V AC Switching threshold 80V Integrated 32-bit event counter
Network:	10/100BaseT autosensing
Power supply:	230V AC (approx. 15mA@230V)
Galvanic isolation:	Digital output - network: min. 1000 V Digital input - network: min 2000 V Digital input - output: min. 1000 V
Adapters:	1 x 6x screw terminal for supply and IOs 1 x RJ45 for network
Displays:	Status LEDs for network 2 LEDs for digital states

Data transmission:

Protocols:	HTTP and HTTPS TCP and UDP sockets, client and server MQTT - Publish and Subscribe REST SNMP V1 V2 V3 including traps SMTP e-mail sending OPC server Modbus TCP Inventory keeping, group management
Response times:	Data and switching traffic: typically 12 ms

Housing and other data:

Housing:	Plastic housing for top hat rail installation 90x45x56mm (lxwxh)
Enclosure rating:	IP20
Weight:	approx. 140 g
Storage temperature:	-25°C - 70°C

Operating temperature:	0°C - 40°C
Permissible relative humidity:	5..95% RH (non-condensing)
Scope of delivery:	1 x Web-IO 4.0 Digital, 1x230V In, 1xRelay Out 1 x Quick Guide Other accessories can be ordered separately

Accessories

*Net unit price for commercial users

Mechanical Accessories

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

Supplementary network products

Ethernet Switch Gigabit Industry, 4 Ports	55614	148.00 €
logic.hub	50506	598.00 €

* 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:

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.