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 4xIn/Out

Article no.: 57733

This item is replaced by the compatible successor model #57133 Web-IO 4.0 Digital 4xIn/Out.

Switch, monitor and count ...

With the Web-IO 4.0 Digital switching signals can be controlled, detected and monitored over TCP/IP-Ethernet. The 4 switching channels can be used as input or output. Numerous Web and network services are available for reporting changes on the inputs and outputs - including directly in the browser. Using 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:

- **4 channels:**
  - Can be used optionally as inputs or outputs
  - 24V technology
  - Switching currents up to 500mA
  - 32-bit pulse counter

Wiring example

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 power**
  - Screw terminal
  - 12 - 24V DC

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 in-/outputs:	4 channels can be used optionally as in- or output
	Output for 12-24V, max. 500mA
	max. total current 2A
	Using our coupling relays voltages of even up to 230V can be switched
	Input voltage +/-30V
	protected against reverse connection within this range
	Input switching threshold 9.5V +/- 1V
	"On" current = 2.2 mA
	integrated 32-bit pulse counter
Network:	10/100BaseT autosensing
Power supply:	12-24V DC (approx. 100mA@24V)
Galvanic isolation:	Digital in-/outputs - network: min. 1000 V
Adapters:	1 x 11x screw terminal for IOs and supply - plug-in 1 x RJ45 for network
Indicators:	Status LEDs for network
	4 LEDs for digital status

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 precise fit for sub-distribution systems

	90x45x56mm (lxwxh)
Enclosure rating:	IP20
Weight:	approx. 140 g
Storage temperature:	-25°C - 70°C
Operating temperature:	0°C - 60°C
Permissible relative humidity:	5..95% RH (non-condensing)
Scope of delivery:	1 x Web-IO 4.0 Digital, 4xIn/Out 1 x Quick Guide Power supply and other accessories can be ordered separately

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 €

Storage and Visualization

logic.hub	50506	598.00 €

Coupling relay for up to 230V

230V coupling relay - 1 x changeover for DIN rail mount	57015	22.00 €
230V coupling relay - 2 x changeover for DIN rail mount	57016	22.00 €

Mechanical Accessories

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 €

* 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.