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 12xIn, 12xOut

Article no.: 57730

438.00 €

*Net price for commercial users

Switch, monitor and count ...

With the Web-IO 4.0 Digital switching signals can be controlled, acquired and monitored over TCP/IP Ethernet. Numerous web and network services are available for reporting changes on the inputs and outputs - even directly in a 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:

- **12 switching inputs:**
  - Digital 24V inputs
  - 32-bit pulse counter
- **12 switching outputs:**
  - Digital 24V outputs
    (12V, 48V, 110V, 230V via coupling relays)
  - Drive up to 500 mA
  - Short-circuit-protected

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 outputs:	12 x digital outputs 6V - 30V, 500mA Short-circuit-protected Using our coupling relays voltages of even up to 230V can be switched
Digital inputs:	12 x digital inputs, Max. input voltage +/-30 V Protected against polarity reversal within this range Switching threshold 8V +/- 1.5V "On" current = 2.2 mA integrated 32-bit counter
Network:	10/100BaseT autosensing
Power supply:	12-24V DC (approx. 100mA@24V)
Galvanic isolation:	Digital outputs - network: min. 1000 V Digital inputs - network: min. 2000 V Digital inputs - outputs: min. 1000 V
Adapters:	1 x 16x screw terminal block for IOs 1 x DB9 for RS232 auxiliary port 1 x RJ45 for network
Displays:	Status LEDs for network 24 LEDs for digital statuses

Data transmission:

Protocols:	HTTP and HTTPS Box-to-Box 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 20 ms

Housing and other data:

Housing:	Plastic housing for top hat rail installation 106.8x87.8x62.6 (lxwxh)
Enclosure rating:	IP20
Weight:	approx. 250 g
Storage temperature:	-25°C - 70°C
Operating temperature:	0°C - 60°C
Permissible relative humidity:	5..95% RH (non-condensing)
MTBF:	357,539 h @25°C per MIL-HDBK-217
Scope of delivery:	1 x Web-IO 4.0 Digital, 12xInput, 12xOutput 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 €
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 €
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:

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