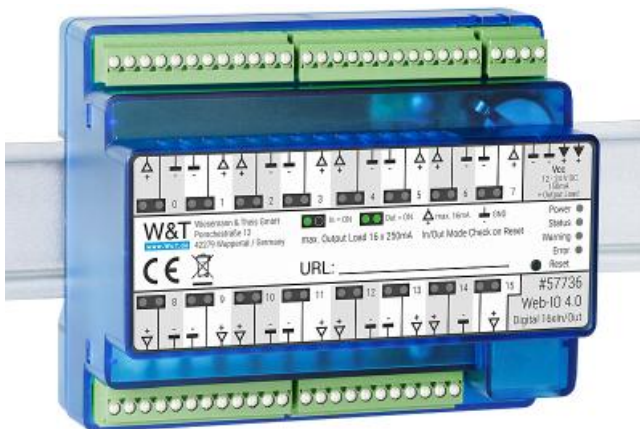


Data sheet:

Web-IO 4.0 Digital 16xIn/Out



Article no.: 57736

438.00 €

*Net price for commercial users

Switch, monitor and count ...

With the Web-IO 4.0 Digital [switching signals](#) can be controlled, detected and monitored over TCP/IP-Ethernet. The 16 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:

- **16 channels:**
 - Can be used optionally as inputs or outputs
 - 24V technology
 - Switching currents up to 250mA
 - 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:	16 channels can be used as in- or outputs
	Output for 12-24V, max. 250mA
	max. total current 2x2A
	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:	3 x 12x screw terminal for IOs - plug-in 1 x 11x screw terminal for IOs - plug-in 1 x 4x screw terminal for supply - plug-in 1 x RJ45 for network
Indicators:	Status LEDs for network
	32 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 precise fit for sub-distribution systems
	90x116x56mm (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:	202,549 h @25°C per MIL-HDBK-217
Scope of delivery:	1 x Web-IO 4.0 Digital, 16xIn/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 €

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:

W&T

www.WuT.de

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