




Data sheet:

Web-IO Digital 2xIn, 2xOut



Article no.: 57637

This article has been replaced by the expanded successor model [Web-IO 4.0 2x Digital Input, 2x Digital Output](#).

Contact	
Manual	
Tools	
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Press photo	

Switch, monitor and count ...

With the Web-IO Digital you can control, acquire and monitor [switching signals](#) via [TCP/IP Ethernet](#). Numerous Web and network services are available for reporting changes on the inputs and outputs. Remote control over the internet requires in the simplest case just a browser or smartphone.

Properties

Switching signals:

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

Connectivity:

- **Intuitive Web interface** for simpler operation
 - Select between German or English
 - Switching the outputs directly from the Web interface
 - Adaptation for smartphone
- **Time-controlled switching**
 - Switching times configured via online calendar
 - Switching times transferred as an iCal file (*.ics)
- **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
 - Up to 4 alarm messages can be configured
- **Dynamic integration into other Web sites:**
 - Direct access to current measurement values via AJAX, JavaScript and Java applet
- **Additional software interfaces for incorporating into your systems/databases:**
 - OPC
 - Modbus TCP
 - Syslog
 - TCP and UDP sockets, client and server
 - FTP (data logging)
- **Internal clock**
 - Time synchronization via 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
 - 24 - 48V DC
- **Power-over-Ethernet (PoE)**
 - Phantom power using data pairs
 - Power over unused wire pairs

Standards & more

- **Conforms to standards both in office and industrial environments:**
 - High noise resistance for industrial environments
 - Low noise emission for residential and business areas
- **5 year guarantee**

Technical data:

Connections, displays and control elements:

Digital outputs:	2 x Digital Out 6V-30V, 500mA Grouping of 2 outputs Max. group current 1A Max. total current 1A Short-circuit-protected Using our coupling relays voltages of even up to 230V can be switched
Digital inputs:	2 x Digital In, Max. input voltage +/-30 V Protected against polarity reversal within this range Switching threshold 8V +/- 1V "On" current = 2.2 mA integrated 32-bit counter
Network:	10/100BaseT autosensing
Power supply:	Power-over-Ethernet (PoE) or 24-48V DC (approx. 100mA@24V)
Auxiliary power output:	24V max. 125mA for IO supply
Galvanic isolation:	Digital outputs - network: min. 1000 V Digital inputs - network: min. 2000 V Digital inputs - outputs: min. 1000 V
Adapters:	1 x 6x screw terminal block for IOs 1 x 2x screw terminal block for external power 1 x RJ45 for network
Displays:	Status LEDs for network 12 LEDs for digital status

Data transmission:

Protocols:	TCP and UDP sockets, client and server SNMP 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 105x22x75mm (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 2xDigital 1 x Quick Guide 1 x W&T product CD Power supply and other accessories can be ordered separately



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