

Data sheet:

Web-IO 12x Digital Input, 6x Digital Relay



Article no.: 57634

This article has been replaced by the expanded successor model [Web-IO 4.0 12x Digital Input, 6x Relay Output](#).

Contact
Manual
Tools
Firmware
Applications
Press photo

Switch, monitor and count ...

With the Web-IO Digital you can control [potential-free contacts](#) via [TCP/IP Ethernet](#) and monitor [switching signals](#). 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:

- **12 switching inputs:**
 - Digital 24V inputs
 - 32-bit pulse counter
- **6 potential-free contacts:**
 - Switching voltage 12V, 24V, up to max. 48V (110V, 230V via [coupling relays](#))
 - Switching current max. 5A

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
 - Configure up to 12 alarm messages
- **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
 - 12 - 24V DC

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:	6 potential-free relay contacts for 30V/5A DC (2A when using inductive load) for 48V/5A AC (2A when using inductive load) max. 1800 switching cycles per hour 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 +/- 1V "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:	2 x 16x screw terminal blocks for IOs and power 1 x RJ45 for network 1 x DB9 plug for RS232
Displays:	5 Status LEDs 18 LEDs for digital states

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 12ms

Housing and other data:

Enclosure:	Plastic housing for top hat rail installation 106.8 x 87.8 x 62.6 (L x W x H)
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)
Scope of delivery:	1 x Web-IO Digital 12xIn, 6xRelay 1 x Quick Guide 1 x W&T product CD Power supply and other accessories can be ordered separately



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