







Data sheet:

Web-IO Digital 12xIn, 12xOut



Article no.: 57630

This article has been replaced by the expanded successor model [Web-IO 4.0 12x Digital Input, 12x Digital Output](#).

- Contact 
- Manual 
- Tools 
- Firmware 
- Applications 
- 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:

- **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

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 function:**
 - 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)
- **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: 12 x digital outputs 6V - 30V, 500mA
Grouping of 2 outputs
Grouping of 4 outputs
Maximum group current 2 A
Maximum total current 6 A
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 +/- 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

Connections: 2 x 16x screw terminal blocks for IOs and power
1 x RJ45 for network
1 x DB9 plug for RS232

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
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)

MTBF: 245,100 h @25°C per MIL-HDBK-217

Scope of delivery: 1 x Web-IO 12xDigital,
1 x Quick Guide
1 x W&T product CD
Power supply and other accessories can be ordered separately



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