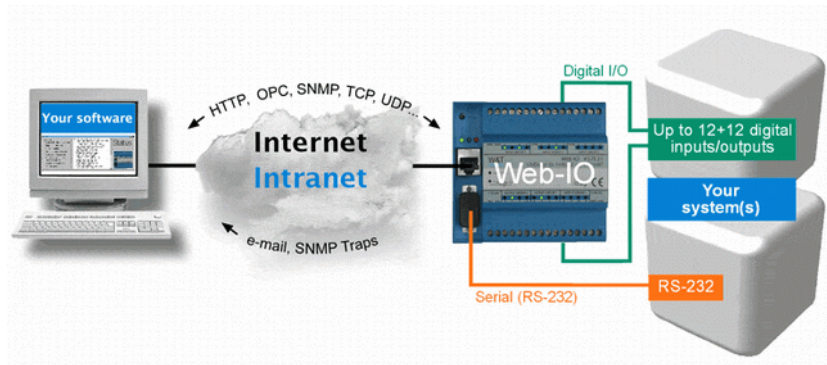


Data sheet:

Web-IO Digital 12xIn, 12xOut, 1xRS232



Article no.: 57631

This article has been replaced by the expanded successor model **Web-IO 4.0 Digital, 12xIn, 12xOut, 1xRS232; #57731**, have been replaced

Switching, monitoring, counting and serial communication

Switching signals and serial RS232 interface via TCP/IP Ethernet in a single device. The Web-IO Digital lets you control, detect and monitor switching signals. The integrated RS232 interface also offers the ability to connect serial terminal devices. Numerous Web and network services are available for reporting changes to 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 500mA
 - Short-circuit-protected

Serial interface:

- **RS232 port:**
 - 9-pin plug with PC configuration
 - Supports all common baud rates up to 57000
 - Incorporated into Windows as a virtual COM port
 - Full access via sockets

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)
- **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 12V-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 Grouping of 2 outputs Grouping of 4 outputs Max. group current 2 A Max. 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

Serial Com-Server functions:

Serial port:	1 x RS232 interface DB9 connector, assignment the same as for PC-COM
Baud rate:	50 to 57,600 baud
Data format:	7,8 data bits, 1,2 stop bits No, Even, Odd parity
Flow control:	Hardware handshake or XON/XOFF protocol

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:

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 with Com-server functionality
 1 x Quick Guide
 1 x W&T product CD
 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

Wall mount housing, enclosure rating IP66 / IP67	11120	54.00€	
19" DIN rail	58813	21.00€	

Supplementary network products

Ethernet Switch Industry, 4 Ports	55604	218.00€	
Motherbox 3	50504	328.00€	

* 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.



We are available to you in person:

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[Data Privacy](#)