Data sheet:

Web-IO 24x Digital 19" OEM

Article no.: 57632

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Switch, monitor and count ...

With the Web-IO Digital 19" OEM you can supplement your hardware with the ability to control, gather and monitor switching signals via TCP/IP Ethernet. Numerous Web and network services are available for reporting changes on the inputs and outputs. The Web-IO board in Eurocard format is ready to insert in 19" racks

Properties

Switching signals:

- **24 switching inputs:**
  - Digital 24V inputs
  - 32-bit pulse counter
- **24 switching outputs:**
  - Digital 24V outputs
  - Drive up to 500 mA
  - Short-circuit-protected

Connectivity:

- **Intuitive Web interface** for simpler operation
  - Switching the outputs directly from the Web interface
- **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
  - 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:

- **24V via VG96 backplane connection**

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**

Wish for something!
Your suggestions for improvement and additions

Special Features

The Web-IO 24xDigital 19" is an OEM product and is supplied without an enclosure or power supply. The board is intended for completing or integrating into existing 19" projects, where the integrator himself designs and procures the power supply and backplane. Since the variations can be great depending on the project, W&T can unfortunately not offer any matching accessories.

Technical data

Connections, displays and control elements:

Digital outputs:	24x Digital Out 6V-30V, 500mA Grouping of 2 outputs Grouping of 4 outputs Max. group current 2 A Max. total current 16 A Short-circuit-protected
Digital inputs:	24 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
Galvanic isolation:	Digital outputs - network: min. 4000 V Digital inputs - network: min. 3000 V Digital inputs - outputs: min. 3000 V
Network:	10/100BaseT autosensing
Power supply:	12-24V DC (approx. 100mA@24V)
Adapters:	1 x VG96 plug 3x32 for IOs and power 1 x RJ45 for network 1 x DB9 plug for RS232
Displays:	5 Status LEDs 48 LEDs for digital statuses

Data transmission:

Protocols:	TCP and UDP sockets, client and server SNMP including traps SMTP e-mail sending OPC server Inventory keeping, group management
Response times:	Data and switching traffic: typically 12 ms

Mechanical and other data:

Form factor:	OEM insert for 19" / Eurocard 160 x 100mm (L x W) Aluminum front panel 10 TE (50.80 mm)
Weight:	approx. 230 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 24xDigital 19" OEM, 1 x Quick Guide 1 x W&T product CD

* 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.

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