

NetCube® Web-IO 8/4

Industrial Device Server

The **NetCube® Web-IO 8/4** is an intelligent device server with 8 digital inputs, 4 digital outputs and 2 serial ports. It acquires, process and saves data and transmit them immediately or time delayed to a SQL-databank or a remote client.

With the **NetCube® Web-IO 8/4** up to 8 machine inputs and 4 outputs 24 VDC and two RS232/485 devices, such as PLC, barcode readers, scales etc. can be connected to a TCP/IP network by LAN or Wifi.

Thanks to their powerful DX86-800 MHz running under Linux™, 512 MB RAM and up to 4 GB flash memory the Net-Cube® Web-IO 8/4 reach unprecedented performances for such a little size.

Standard embedded web applications include:

- Configuration interface „easy set-up“
- **SIGMA**: Revolutionary application generator which allows to program automation tasks and data processing. With Sigma an application can be created without compiler or library, hence eliminating the need for programming languages.



Their opto-coupled I/O and 24VDC power supply, both protected against inverse polarity, as well as the DIN-rail make them particularly well suited for industrial applications.

An extract of applications:

- Transfer of collected data into a SQL database or export as .csv file
- Intelligent client for barcode-readers
- Integration of equipment such as cnc machines, scales, assembly machines etc. into a MES (Manufacturing Execution System)
- Automated alarming via e-mail
- etc.

Technical specifications

CPU

DX86-800MHz
SX86-300MHz

Memory

512 MB RAM

Storage

Up to 4 GB Flash

Ports

1 x DB-9 RS-232
1 x DB-9 RS-232 or RS-485
1 x LAN 10/100 Base-T
1 x Wifi (optional)
1 x USB 2.0

Flowcontrol

Hardware-Handshake or XON/XOFF

Digital inputs

8 x opto-coupled, max. 40VDC, max. 3.7 mA @24VDC
Inverse polarity protected

Digital outputs

4 x opto-coupled
Max. 24V DC, 500 mA

Operating System

Linux 2.6.x

Mounting

Rail DIN

Power requirement

24VDC, inverse polarity protected

Operating environment

0°C - 50°C

EMC and safety compliance

EN 50081-2, EN 50082-1, -2, EN 60950

Dimension

110W x 58D x 125H [mm]
4.33W x 2.28D x 4.92H [in]

Embedded Software

SIGMA "zero-code" program generator and configuration web front-end „easy set-up“

Server services

Telnet, ftp server/client, DHCP, HTTP, PPP