

Application overview

Web-IO Digital

Control, monitor and visualize switching signals

Direct from the box

Box-to-Box

- Tunnel switching signals via the network
- Industry 4.0: Box-2-Box via MQTT
- Flexibly distribute switching signals

Working with standard Web technologies

Browser

- Monitor and control the Web-IO Digital directly from your browser
- Motherbox: Visualizations for Web-IO products



email

- Send switching signal states via email

Smartphone

- Web-IO 2 Go - App for Android and iPhone
- Controlling the Web-IO Digital with a mobile phone
- Control Web-IO Digital with Android or iPhone via MQTT
- Mobile alerts with Web-IO and SIGNAL4

Data acquisition via FTP

- Operating data acquisition via FTP data logger
- Web-IO as FTP data logger

Incorporate into existing systems

Modbus TCP

- The Web-IO as Modbus slave
- Send emails via Modbus TCP
- Display Modbus IOs in the browser

OPC & SNMP

- Digital signals as OPC item
- Potential-free contact triggers SNMP trap

MQTT

- Control Web-IO Digital with Android smartphone via MQTT
- Control Web-IO Digital with iPhone via MQTT

Web programming

AJAX / JavaScript

- Creating your own websites for uploading to the Web-IO Digital
- Creating smartphone-optimized websites for Web-IO Digital

One of many ways to communicate with the Web-IO Digital is via HTTP requests. Using these the Web-IO can be accessed from Web applications using techniques such as JavaScript, AJAX and PHP. In this way individual applications for the browser can be created.

Cross-origin requests

- Monitor and control one or more Web-IO Digital devices from any web server.

Retrieving and controlling IO states with PHP

- Accessing Web-IO Digital with JavaScript and PHP

Google Maps

- Display measurements and states of Web-IOs in Google Maps

MQTT in the browser

- MQTT Web Client with JavaScript

Common high level languages

Visual Basic

- VB.Net (Visual Studio)
- Visual Basic 5 & 6

The Web-IO can work as a TCP client or server, but also as a UDP peer both in communication via command string and communication via binary structures. All the programming languages which permit TCP/IP communication are suitable for programming applications for the Web-IO.

C++

- control using Visual C++

C#

- control and monitor using Visual C#

Delphi

- control with Delphi
- control with Delphi.net
- control with Delphi5

Java

- control with Java



Questions about the Web-IO Digital?
Mr. Thiel will be glad to assist

VBScript

- Automated switching with VBScript and batch jobs

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