Configurable Digital Output

Smart Sensor Configuration Software:

Features:

- Cross-platform UI (Linux, MacOS, Windows, iOS, Android)
  - Web browser based software (Google Chrome, Safari, Firefox, Opera, Edge).
  - No installation required.

- Networking Interfaces configuration
  - Enable/Disable WiFi Chip.
  - Configure the Smart Sensor WiFi Access Point (I/O, hotspot name, password).
  - IP configuration (DHCP or fixed IP)

- NTP date and time synchronisation

- Digital Output configuration
  - MQTT (RMS only).
  - TCP/UDP socket (raw signal).
  - Cloud via MQTT (RMS only).

- Filtering
  - Low Cut Filter.
  - High Cut Filter.
  - Bandpass Filter.

- Port Forwarding for remote debugging*.

- Access to the Smart Sensor Monitoring Software.

Socket Streamer

Set the socket IP, port and type you want to use, then start the streamer. Sends raw data without timestamps to a TCP or UDP socket.

<table>
<thead>
<tr>
<th>IP</th>
<th>192.168.1.186</th>
</tr>
</thead>
<tbody>
<tr>
<td>Port</td>
<td>5000</td>
</tr>
<tr>
<td>Type</td>
<td>UDP</td>
</tr>
<tr>
<td>Start/Stop</td>
<td>Start</td>
</tr>
<tr>
<td>Current status</td>
<td>OFF</td>
</tr>
</tbody>
</table>

* Upon request and manual activation per the client. The backdoor can not be enabled remotely by Miraex.
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Screen Shots:

MQTT Streamer

- Bocker address: test.mosquitto.org
- Port: 1883
- Topic: sensor
- Username: None
- Interval: 2.0
- Current status: OFF

Socket Streamer

Set the socket ip, port and type you want to use, then start the streamer. Sends raw data without timestamps to a TCP or UDP socket.

- IP: 192.168.1.196
- Port: 5003
- Type: UDP
- Start/Stop: Start
- Current status: OFF

SUBMIT CHANGES
**Configurable Digital Output**

**Description:**
The Smart Sensor Configuration Software is a small server running a webpage on the Edge Controller (EC). It can be accessed via any device connected to the same network as the EC. It provides multiple options to the user for using his device in a particular configuration/or activating a given number of digital outputs.

**Requirements:**
Min. system requirements: 1GB of RAM, WiFi and/or Ethernet abilities.

**Digital Output & Protocols:**

![Diagram showing the software architecture and protocols](image)

Note: if the PC runs a DHCP, EC can be directly wired to PC.