# SIWIAT
## making sensors talk

**SIWIAT introduces the first Web- and App based gateway for measurement technology.**

Industrial measurement evolves fast. The number of sensors grows, the measurement tasks get more complex and the need for flexibility rises. Conventional data loggers and established protocols and interfaces cannot keep up with the requirements. The SIWIAT App-Box is an industrial Internet of Things gateway with unlimited flexibility and adapts permanently to your growing requirements. Thus it paves the way to smart manufacturing / Industrie 4.0 and allows to enter the next level in measurement as of today.



**Measurement instruments, machines / devices**

Humidity   CO$_2$   Temp.

Pressure   Machine data

**Business Processes Data targets Clouds**

DB / Office
ERP
NWM

Cloud Systems

FTP, CSV, JSON, Relay

## THE INDUSTRY SOLUTION

The SIWIAT App-Box is made for the industry. From unpacking, installation to operation it is just a few clicks.

**1. Attach sensor**
Connect sensors directly via Ethernet or RS-485, install the device app or using an analogue converter as recommended.

**2. Specify alerting and operation**
To detect alarm conditions set the ranges in Alarm App and provide an email address.

**3. Define data target**
Activate the JSON interface for remote data access or download the App you need for all data targets.

## THERE´S AN APP FOR THAT

For maximum flexibility the SIWIAT App-Box uses Apps. Apps bring amazing new things to the App-Box including new input devices, cool user interfaces or enhanced processing logic.

## THE BEST: SIWIAT APP-STORE

Visit the SIWIAT App-Store at http://siwiat.com to get all the Apps for your measurement tasks.

There are lots of Apps available:
• Sensors (including MODBUS-devices)
• Alerting / Monitoring
• Interfaces & protocols
• Databases
• Business process systems
• Applications
• Relay control
• Cloud storage

**Best fit: Custom Apps**
Is there an App missing or is a sensor not supported? No problem, we can make custom Apps within a short time frame.

## HIGHLIGHTS

• Universal IoT gateway
• Web based user interface
• Apps to extend functionality
• Supports many sensors, interfaces and protocols

## CONTACT

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## SPECIFICATIONS

| | | | |
|---|---|---|---|
| Network | 10/100BaseT \| autosensing \| autocrossing | Current draw | 60mA @ 24V \| 40mA @ 48V |
| Connections | 1 x network (RJ45) Screw terminals for supply voltage 1 x serial interface RS232/422/485 | Environment | Row mounting: 0 ... 65°C Non-row mounting: 0 ... 70°C 0 ... 90% RH, non-condensing |
| LEDs | System status using multi-color LED Current network speed and data transfer | Housing / Weight | Plastic compact housing 105 x 75 x 22mm Integrated DIN rail mount, approx. 140g |
| Supply Voltage | Power-over-Ethernet (PoE) 24 ... 48V DC (+ / -10%) using screw terminals | Preinstalled Apps | App for Email-Alerting App for REST-Interface (JSON) |

Unpack & mount

Connect

Web-based configuration

Configure your measuring task

Go to Siwiat App-Store