

smart  
.click

IOX

# smart.click Button

Digital at the touch of a button



MAKE THINGS NOT SLIDES.

# smart.click Button

Digital at the touch of a button

**Initiate** any **process** at the click of a button. Digitization and optimization of manual processes. **Plug & Play** solution as an efficient **retrofit**. No infrastructure needed. **Visualization** of information using **e-ink** technology.

## Possible applications:

- Automatic ordering of goods & spare parts
- Call button in emergencies
- Collection of full containers
- Production logistics
- Notification of technical faults
- Facility management



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## Technical Data:

Processor	ARM Cortex M3
Dimensions (L x W x H)	72 mm x 53 mm x 26 mm
Display size	1.54 inch, 200 x 200 Pixel
Weight incl. Battery	110 g
Antennas intern	NB-IoT B8/B20
Battery	2 x AA Batteries
Operating temperature	0°C to +50°C
Storage and transport area	+25°C to +40°C

## Interfaces:

Cellular	NB-IoT
Programming	UART
OTA-Update	yes

## Other Features:

Memory	4 KB flash
SIM	Nano SIM (4FF)
HMI	E-Paper Display
Configuration	my.smart.click
IP Code	IP40

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Digital at the touch of a button

01

## Quick to use

- Easy installation thanks to **plug & play**
- Mobile & can be used as a **retrofit**

02

## Usable everywhere

- Independent of power and data network thanks to NB-IoT and battery operation

03

## Direct feedback

- **E-Ink** Technology
- Direct feedback (info) after pressing the button
- Bidirectional processes

04

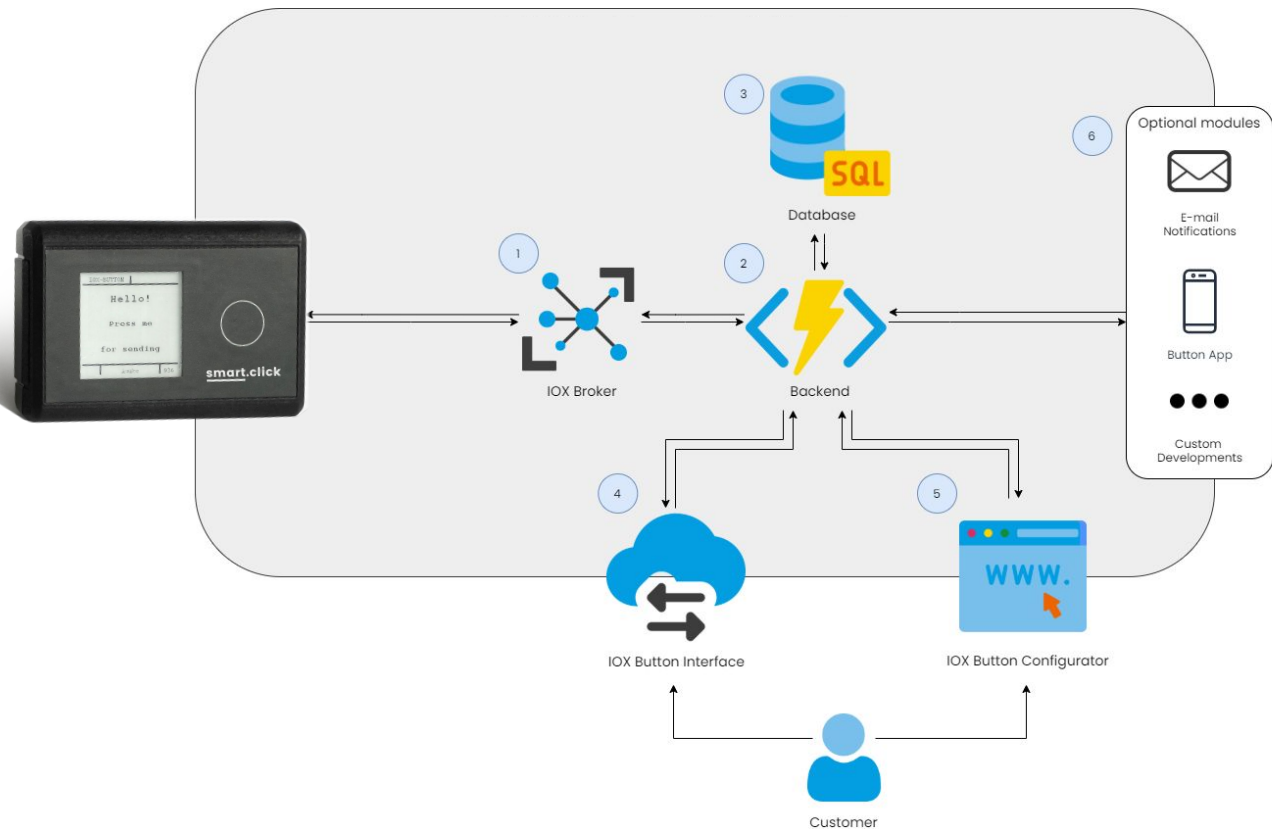
## Out of the box

- Button connects to **Microsoft Azure** and **AWS**



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## Architecture



### 1. IOX Broker:

The IOX Broker is used for secure and encrypted communication with the Button via MQTT.

### 2. Backend:

In the backend, the messages are evaluated and forwarded to the correct recipient. The button receives feedback from the backend depending on the status of the order.

### 3. Database:

The status of the button and the configuration are stored in the database. These are updated with every interaction.

### 4. IOX Button Interface:

The interface is an API that is made available to the customer. The customer can operate the IOX button via commands. This way, the button status and metadata can be retrieved directly and the status of the order can be updated.

### 5. IOX Button Configurator:

Via the configuration website, each customer can individually configure their buttons and view usage data.

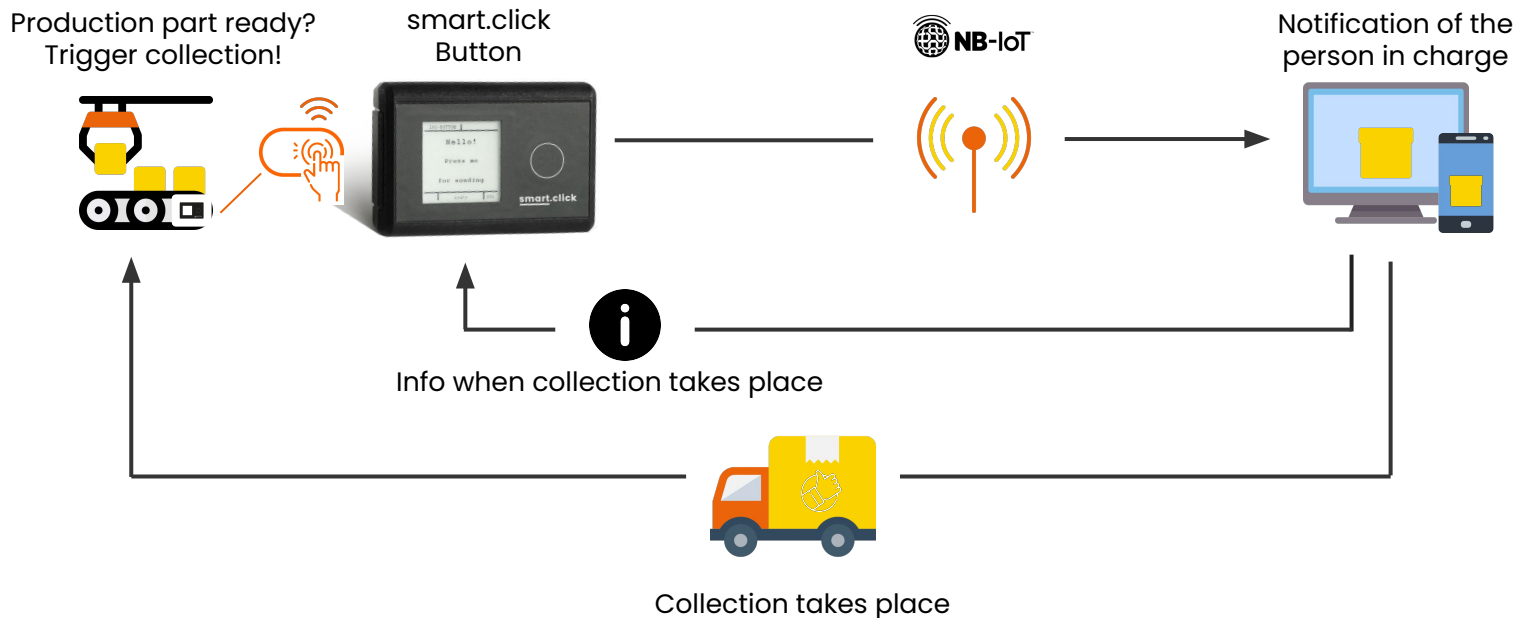
### 6. Optional modules:

Depending on the application, optional modules can be added, such as an automated e-mail dispatch.

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## Use Case: Production Logistics

This is how digitisation works at the touch of a button



# smart.click Button

Use Case: Trigger an SAP purchase order via make app

make

Empty shelf?  
Press to order!



Device:  
smart.click  
Button



Button Trigger  
Triggers when a button is pressed



Create a Purchase Order  
Creates a new purchase order.

SAP S/4HANA  
Create a Purchase Order

Display  
Changes the content of a screen

Send an Email  
Sends a new email.

smart.click IoT  
Display

Gmail  
Send an Email

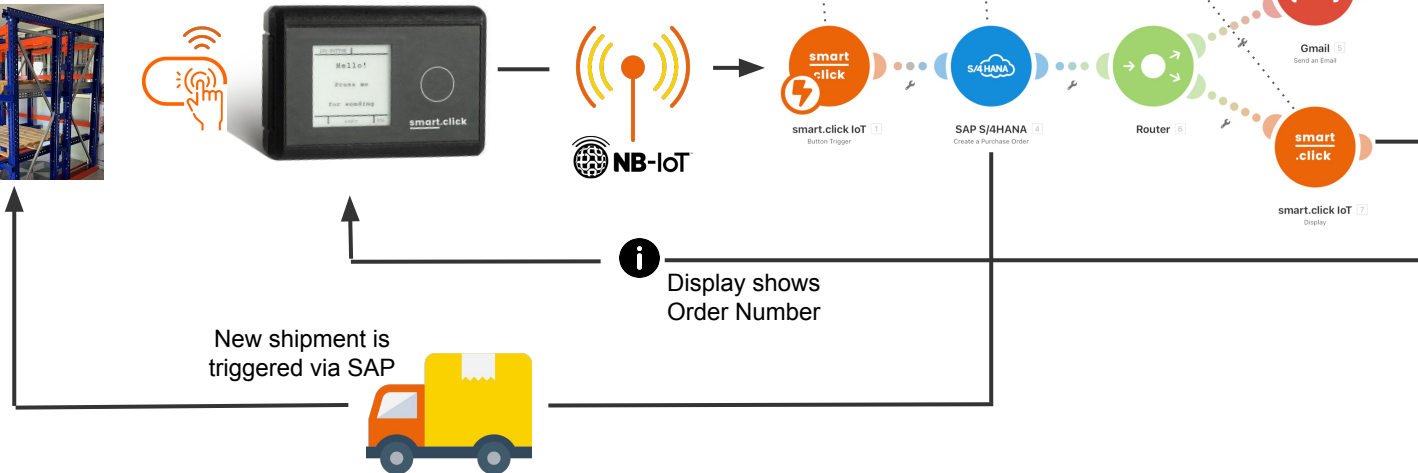


Employee is  
informed via  
E-Mail

New shipment is  
triggered via SAP



Display shows  
Order Number





# smart.click Button: Reference

Efficient replenishment at the click of a button

## Results:

- ✓ Efficient digitalisation of the replenishment process
- ✓ Acceleration of the ordering process
- ✓ Avoidance of delays
- ✓ Increasing operational excellence

**Industry**  
Industrial sector

**Area**  
Operations, Supply Chain

**Company Size**  
> 10.000 employees





# smart.click Cloud

IoT with one click

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## Device Mgmt. und Monitoring:

- Management of all devices over the entire device life cycle.
- Firmware updates or configuration changes can be controlled centrally.

## Security.

- We ensure that the connection between the device and the cloud always complies with the latest security standards and harmonises with the existing connectivity.

## Connectivity Mgmt.:

- Ensure data transfer from the device to the cloud. You only take care of the data utilisation.

## Data Mgmt.:

- We deliver sensor data in such a way that it can be used directly in your business application. We are also happy to provide you with the raw data directly.



IFTTT

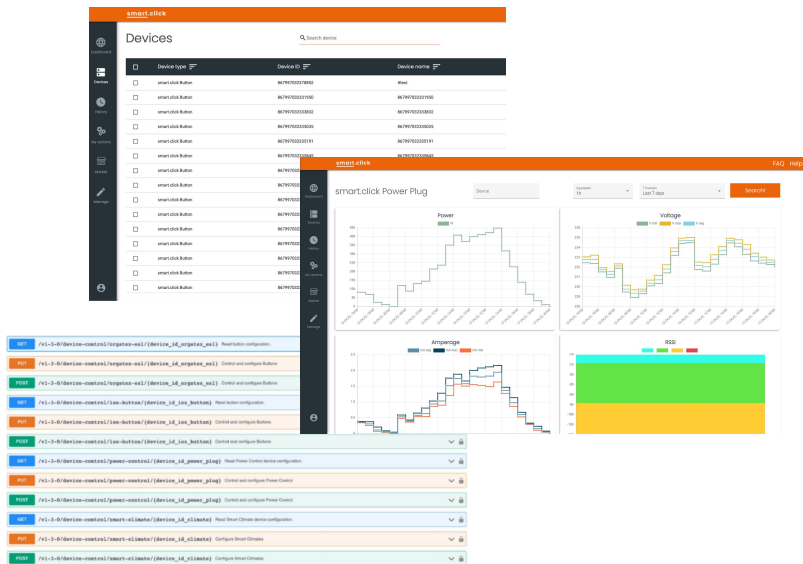
...



- The smart.click Cloud is the **central interface for all lightweight IoT devices**. It enables the exchange of device data with common **cloud providers** and simple integration into your **business application**.
- You **concentrate on your business application**, we provide you with the interface to the IoT world.
- You receive the data via a **application programming interface (API)** and can integrate the data directly in your application.
- Moreover, you can integrate the data directly into standardized automation tools such as **Zapier, IFTTT or Microsoft Power Plattform**.

# smart.click Cloud

## IoT with one click



The entire product portfolio can be managed via the **smart.click Frontend**.

- **Device Management** – Create, assign and delete devices
- **Configuration** – Monitoring and changing parameters and settings
- **Manage Actions** – Configure automated actions such as SMS, email, calls, webhooks
- **Visualization** – Monitor and analyze various device data
- **User Management** – Create, modify and delete users

# smart.click Product Portfolio

Made for Experts. Plug & Play with one click.



smart.click  
Power Control / Power Plug



smart.click  
Button



smart.click  
Climate  
Temperature & Humidity

# smart.click Power Plug

The easy way of energy management

Monitor and optimize **electrical consumption** of assets. **Control assets** remotely (power on/off). Generate consumption savings and enable **predictive maintenance**.

## Possible applications:

- Critical infrastructure control
- Monitor & control decentral assets
- Compliance with regulatory requirements, e.g. regulation for securing energy supply
- Provision of electricity in line with usage

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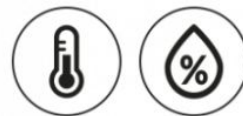
# smart.click Climate

## Temperature and humidity monitoring

The **temperature and humidity** logger is used to continuously **measure and monitor** the prevailing, atmospheric conditions. Configure **thresholds** to trigger **alarms** and ensure **compliance**.

### Possible applications:

- Cold chain monitoring
- Temperature controlled logistics
- Air conditioning
- Building monitoring
- Museums, archives, server rooms, warehouses



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## Do you pursue IoT goals?

Then let us **discuss** your IoT objectives together and without obligation. Simply **scan** the QR code or **[click here](#)** to schedule a meeting. We look forward to our further exchange!



Top 50 Startups



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RADIO  
ADVERTISING  
AWARD

