



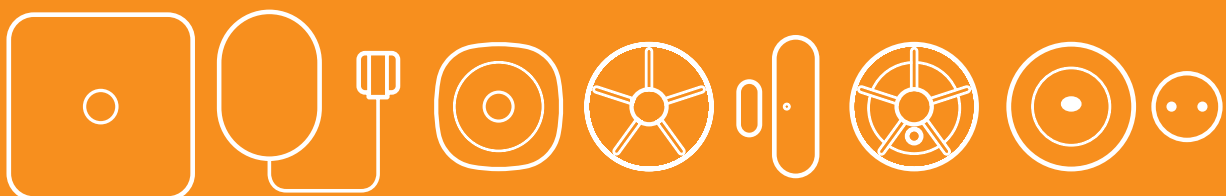
# Product catalogue

World-leading white label IoT platform

Home care • Security • Energy



Gateways • Sensors • Relays • Smart plugs • Meter interfaces



# Sensors and alarms

Zigbee sensors and alarms with numerous functionalities



## Air Quality Sensor

The battery-powered Air Quality Sensor continuously monitors indoor air quality. By detecting VOC levels in indoor air, the Air Quality Sensor enables monitoring of air quality in order to maintain healthy and clean indoor air. The sensor features long battery life, long range and accurate reporting of VOC levels, temperature, and humidity.



## Motion Sensor

The compact Motion Sensor allows users to detect occupancy, light, and temperature with only one device. The occupancy sensor is PIR-based and able to sense movement up to 9 meters away from the sensor. Motion Sensor includes a tamper switch and offers several mounting options.



## Smart Humidity Sensor

The Smart Humidity Sensor monitors temperature and humidity levels in a room. By supervising the indoor climate, the Smart Humidity Sensor helps maintain the ideal comfort level and protect the interior, electronics, musical instruments, furniture, artwork, and any other humidity-sensitive household item.



## Entry Sensor

The Entry Sensor detects and reports the opening and closing of the doors and windows. Easily installed on any door or window, the sensor triggers a signal when parted from the magnet. The sensor also features a built-in temperature functionality. The functionalities of the sensor make it ideal for automatic lighting and access control.



## Vibration Sensor

The Vibration Sensor detects and reports vibration. It is designed for home care solutions and gives valuable insights into patients' sleep schedules and activity providing insights into their health. In a security solution, the Vibration sensor protects homes and buildings by giving alarm when windows or glass surfaces are shattered. The sensor also detects temperature.



## Intelligent Smoke Alarm

The Intelligent Smoke Alarm alerts residents with a loud sound in case of smoke formation. The Intelligent Smoke Alarm can also activate the siren of other smoke alarms in the building via wireless communication. Moreover, the Intelligent Smoke Alarm reports the status and temperature via the given smart home system.



## Intelligent Heat Alarm

The Intelligent Heat Alarm is specifically useful in environments where a traditional optical smoke sensor can cause false detections. This heat-based fire alarm is designed for installation in private homes or garages with risk of smoky, dusty, or humid environments. The thermo-sensitive detector detects both rapidly increased heat and absolute heat levels. It will alert users with a loud sound as a warning or via a smart home solution.



## Water Leak Detector

The Water Leak Detector provides an early warning to help avoid or reduce potential damage from water leakages. The Water Leak Detector has a built-in 85 dB siren alerting the users when water is detected. The detector is designed for leakage detection in private homes, camping trailers, garages, and in humid environments such as kitchens and bathrooms.



## Water Leak Detector Probe

The Water Leak Detector Probe is an accessory option for the Water Leak Detector. The probe is designed to detect water in areas with high risk of flooding, e.g. basements, or with poor accessibility, i.e. underneath domestic appliances. Through instant leakage detection, the probe will help prevent potential damage to properties and personal belongings.

## Sensors and alarms

Zigbee sensors and alarms with numerous functionalities

### Smart Button

The Smart Button is a programmable, Zigbee button, which can be used for multiple purposes. The possibilities include; a door lock button, a switch for turning on/off the lights or home appliances, and a safety button for emergencies. The Smart Button is water-proof and suited for indoor and outdoor use.



### Panic Button

The Panic Button is a Zigbee-based emergency button that enables elderly or disabled people to call for help when they need it. The Panic Button can be worn in several ways, for example around the neck or wrist, or mounted on the wall. It is water-proof and thus also suited for use in bathrooms.



### Zigbee Range Extender

The Zigbee Range Extender securely expands the range of your Zigbee network. It enables you to cover large areas and increase the number of devices in your solution. The Zigbee Range Extender can include a battery backup to ensure that your solution works also in cases of power loss.



### Smart Siren

The Smart Siren is a combined siren, voice prompt, and range extender. If intruders enter the property of the users, the siren emits a loud sound, making it suitable for security purposes. Via the voice prompt, the siren can play voice messages, e.g. to warn users. The Smart Siren includes battery backup, enabling it to function despite power cuts, and a tamper switch.



### Intelligent Keypad

The Intelligent Keypad provides users with secure access control. It allows them to enable and disable their alarm system using an RFID tag or a pin code. It can also be used to lock and unlock doors remotely. A tamper switch makes the Keypad suitable for alarm systems. For longer battery life, a sensor ensures that battery is saved when the Keypad is not in use.



## Smart plugs

Monitor power consumption and control electrical appliances

### Smart Plug Mini 2

The Smart Plug Mini 2 is the world's smallest. It is an intelligent remotely controlled adapter that monitors the power consumption and enables the user to control electrical equipment by switching it on or off remotely via Zigbee. The Smart Plug Mini 2 is easy to use since it requires no installation. The user just has to put it into an electrical outlet and then plug in the desired electrical device.



### Type F (Schuko)

Used in: Germany, Greece, Hungary, Indonesia, Italy, Luxembourg, the Netherlands, Norway, Russia, Spain, and Sweden.



### Type E (French)

Used in: Belgium, Czech Republic, France, Poland, and Slovakia.



### Type G (British)

Used in: UK, Ireland, Hong Kong, Malaysia, Qatar, Saudi Arabia, Singapore, and United Arab Emirates.



## Smart relays

Control groups of appliances remotely and monitor power consumption via Zigbee



### Smart Cable

The Smart Cable converts conventional power cables into remotely controlled units, which allow the user to monitor power consumption. The Smart Cable enables the user to control plugged in electrical devices, with the option to switch them on or off.



### Smart DIN Relay

The Smart DIN Relay enables the user to switch equipment on or off remotely via Zigbee. It grants wireless on/off control of clusters, groups of appliances, or individual elements. It also features a power meter functionality, granting the user access to monitoring the power - giving an increased overview of what unit groups consume the most power and when.



### IO Module

The IO Module brings wired devices online. Providing four inputs and two outputs, the IO Module works as a bridge of reliable communication between wired devices and Zigbee networks. Devices connected to the input will trigger events, and devices connected to the output will respond to events.

## Meter Interfaces

Data reporting with wireless communication for meters



### Prosumer Meter

The Prosumer Meter is a triple three phase meter that measures production and consumption of power on three levels; the solar cell module, the total household, and the connected grid. It provides a live feed of how much electricity is produced by the solar module and compares it to the total consumption of the household and the grid activity in general.



### Electricity Meter Interface 2, LED

The Electricity Meter Interface 2, LED serves as a Zigbee interface for your customers' electricity meters with an LED indicating power consumption. The meter interface collects meter readings from the existing meter and sends the data to appliances in the building. The user can simply follow the consumption on a display, a computer, or a mobile phone.



### External Meter Interface - Norwegian HAN

The External Meter Interface is compatible with Norwegian electricity meters with an enabled HAN interface. The meter interface collects meter readings and sends the data to appliances in the building. This way, the user is provided with real-time reporting of power consumption e.g. through a display, a computer, or a mobile phone.



### Kamstrup Interface

The meter interface equips Kamstrup meters with wireless communication. The module is mounted under the standard meter cover and is compatible with single and polyphase meters. In addition to the standard Zigbee metering functionality, the device supports a complete KMP protocol via Zigbee tunnel cluster, providing extended meter functionality.



### NES Meter Interface

The Zigbee and/or Wireless M-Bus module serves as a gateway between the wireless network and the NES electricity meter powerline communication. The MEP device is capable of collecting meter readings from up to 16 different meter units in one system, e.g. water, gas, and heat meters.

## Squid.link gateways

The Squid.link gateways are modular platforms for connecting devices in IoT solutions and transferring data reliably and securely. The gateways are based on a programmable Linux platform and support a wide range of communication protocols. Since the gateways are white label products, they provide multiple options for customization.

### Squid.link 2B

Squid.link 2B allows you to run your solution with top performance. It includes two memory configurations. In addition to the protocols supported by Squid.link Gateway, it adds Zigbee 3.0 and Bluetooth 5. You can enhance security by adding a hardware encryption chip, an eSim, and the Apple ID chip. The battery backup lasts 2-4 hours



### Squid.link 2X

Squid.link 2X is a more powerful and extended version of Squid.link 2B. It is suitable for large and complex solutions such as artificial intelligence-based applications. Squid.link 2X offers a variety of features on top of those of Squid.link 2B, including a 3-axis accelerometer for tamper protection, a RFID interfaces (passive or active), a MEMS microphone, a Real Time Clock, and a 12 hour battery backup in low-power mode.

## Starter kits

The ultimate platform to get started with your IoT solution

## IoT in a box

The starter kits provide you with state-of-the-art devices and numerous possibilities. Take the first step towards getting your own IoT ecosystem with the starter kits. The market-ready devices help you accommodate the needs of your customers. The development tools and technical support allow you to focus on your core competencies. With a starter kit, you will get the following devices:

- Squid.link gateway
- Motion Sensor
- Entry Sensor
- Intelligent Smoke Alarm
- Smart Plug Mini



### Evaluation Kit

With the Evaluation Kit, it is possible for you to verify your concept quickly and easily. You can simply configure your system – no need for programming. For access to the full software development kit (SDK), upgrade your Evaluation Kit to the Development Kit.

#### Key benefits

The Evaluation Kit allows you to:

- Demonstrate proof of concept
- Discover how simple it is to develop your application
- Access the REST API on the gateway
- Test the performance of mature IoT devices
- Integrate 3rd party devices

### Development Kit

The Development Kit is intended to ease the development of your application on the Squid.link gateway. With this kit, you get an annual software license with full access to the SDK, development tools, comprehensive technical documentation, and support from IoT experts and specialists.

#### Key benefits

The Development Kit provides you with:

- Full SDK access
- Development, debug, and diagnostic tools
- Comprehensive technical documentation and updates
- Configurations for C, C++, Python, and Java applications
- Secure log-on using individual keys
- Technical support (by signing a Support Agreement)

# Wireless platform

Benefit from the 70+ man-years we have spent on software development and focus on your core competencies when working with our wireless platform. The platform includes the Squid.link gateway and a number of wireless devices tested and validated in large volumes.

## Configuration options

The software architecture of the Squid.link gateway offers numerous configuration options, providing you with the opportunity to get a tailored wireless solution. The possibilities include:

### IP communication

Depending on your needs, you can choose between using MQTT, Web Services, or a custom IP communication protocol to deliver the data collected by the Squid.link gateway to the backend of your solution.

### WAN

For the Wide Area Network (WAN), you can choose between several wireless technologies. These include Wi-Fi, cellular networks, and custom wireless technologies. Another option is to establish the WAN connection via an Ethernet cable.

### Cloud integration

The Squid.link gateway allows integration of 3rd party cloud services. With these services, it is possible to develop applications without having to invest in the underlying and overlying infrastructure. Integration with cloud services ensures the fastest time to market of your solution and offers you the potential of efficiently scaling the solution from ten to millions of devices.

### Application

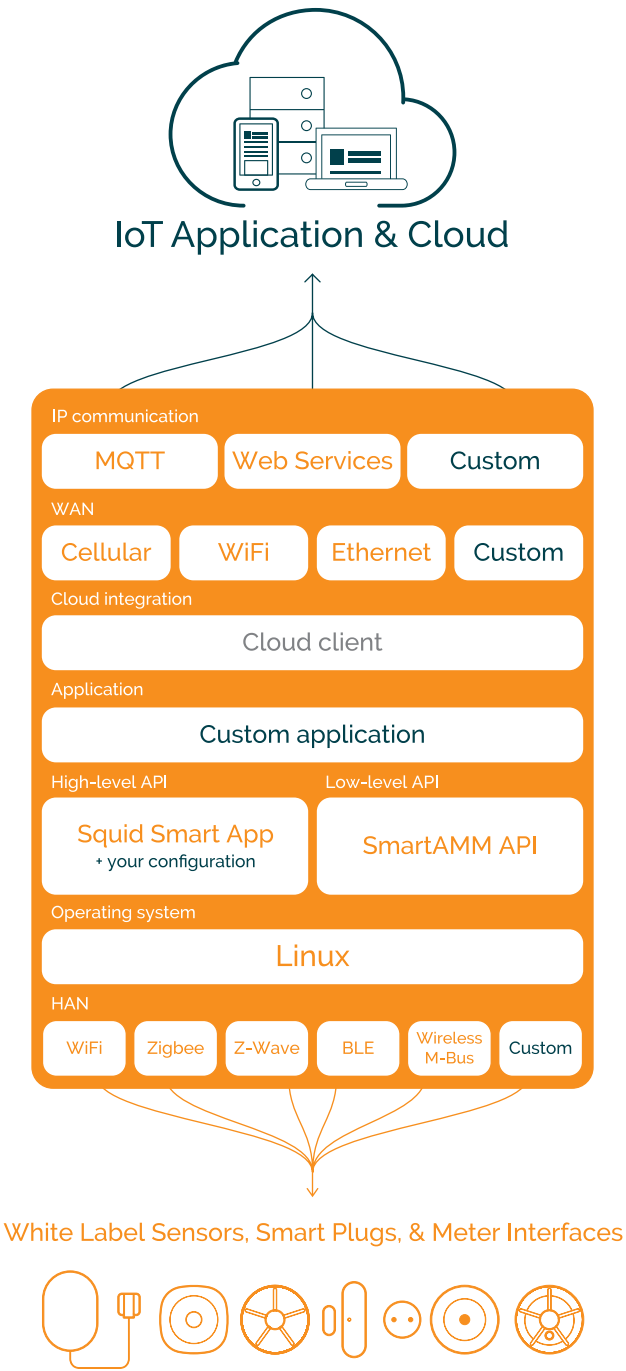
Building your application on top of the open wireless platform enables you to focus on the quality of your software. With the gateway's APIs, application development is greatly simplified.

### API

When developing the application for your solution, you can use a high-level or a low-level API. The high-level API, Squid Smart App, allows you to configure your application instead of programming it. If you want to program the application, the low-level, SmartAMM API, is the ideal choice.

### Operating system

The Squid.link gateway consists of a Linux platform, including a long-term Linux kernel and a root file system. The root file system contains a number of standard Linux utilities. The Linux platform is used to make it as convenient as possible for you to include the functionality you want in your solution.



### HAN

The multiprotocol Squid.link gateway allows you to integrate devices into your solution across wireless technologies. The Home Area Network (HAN) options offered by the gateway includes Zigbee, BLE, Wireless M-Bus, Z-Wave, and WiFi. Support for custom wireless technologies is also a possibility.

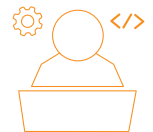
### Support forum



With access to the Support forum, you get instructions on how to get started with the development process. You can also download online documentation with answers to technical questions about the products and the software. Use the available development tools to ease the development process remarkably and download the latest updates for the products integrated into your solution.

With a Support Agreement, you can also get support from our helpdesk by writing us the technical issue you are experiencing. You will get a ticket to the helpdesk, we will record your entry, and you will be kept up to date during the resolution of your technical issue.

### SDK



In the Support forum, you can gain access to the Software Development Kit (SDK), providing you with a framework for building software running on the Squid.link gateway. The framework is based on Buildroot - a simple, efficient, and easy-to-use tool for generating embedded Linux systems through cross-compilation.

### Developer Tool



The SmartAMM Developer Tool provides you with a rich set of utilities for interacting with the Squid.link gateway and connected devices across wireless technologies. Use the tool for generating, sending, receiving, and interpreting SmartAMM telegrams. The tool interacts with the Squid.link gateway through a SmartAMM Server, which you are provided with free of charge.

## White label platform

Get a solution that fits the visual identity of your business seamlessly by adding your brand to the white label products included in the wireless platform. You have the opportunity to customize the design and packaging of the products in several ways. To ease the design process, we provide you with a set of templates and guidelines.







## About Develco Products

Develco Products is a B2B company providing a market-ready, white label IoT platform to solution providers within the fields of security, care, and energy management. Develco Products offers a range of wireless gateways, sensors and alarms, smart plugs, smart relays, and meter interfaces.

## Tomorrow's technology today

We are experts in wireless communication and have developed products based on a wide range of wireless technologies since 2007. We take pride in advancing the technology of Internet of Things and work with leading organizations and institutions in bringing you tomorrow's wireless technology today.



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