Product catalogue

White label products for the entire IoT industry
Smart home • Smart energy • Healthcare • Building management

Gateways • Sensors • Relays • Smart plugs • Meter interfaces
Monitoring everything, the sensors and alarms can help residents keep a smart eye on their house.

**Air Quality Sensor**
The wireless 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 Mini**
The compact Motion Sensor Mini from Develco Products allows the user to detect occupancy, light, and temperature with only one device. The device includes an occupancy sensor, a light sensor, an alarm sensor, a temperature sensor, and a tamper switch.

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

**Window Sensor**
The Window 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. The sensor also features a built-in temperature functionality. The functionalities of the Window Sensor make it ideal for automatic lighting, access control, and home security solutions.

**Smoke Alarm**
The Smoke Alarm alerts residents about smoke with a loud sound as a warning. It can also activate the sirens in other Smoke Alarms in the building via Zigbee communication. Moreover, the Smoke Alarm reports the status and temperature via the given smart home system.

**Heat Alarm**
The 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 for smoky, dusty, or humid environment. The thermo sensitive detector with Zigbee communication detects both rapidly increased heat and absolute heat levels. It will alert you about fire 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 that will sound an alarm when water is detected. The Water Leak Detector is easily integrated with other Zigbee-based systems for smart home, smart energy, healthcare, and home security.

**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 a high risk of flooding, e.g. basements, or with difficult accessibility, i.e. underneath domestic appliances. Through instant leak detection, the probe will help prevent potential damage to properties and personal belongings.

**Panic Button**
The Panic Button is a programmable, Zigbee button that can be used for multiple purposes. The Panic Button can be a safety button for emergencies, a door lock button, or a switch for turning on/off the lights or home appliances. The Panic Button can be worn in several ways or mounted on the wall.

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

**Smart Cable**
Smart Cable converts conventional power cables to a remotely controlled unit, which allows users to monitor their power consumption. The Smart Cable enables the user to control plugged in electrical devices, with the option to switch electrical equipment on or off.

**Smart IO Module**
The IO Module integrates wired devices into wireless Zigbee networks. Providing four inputs and two outputs, the IO Module works as a bridge of reliable communication between wired devices and a control system over Zigbee networks. Devices connected to the input will trigger events, and devices connected to the output will respond to events.

**Smart Relay**
With this Zigbee relay for heavy loads, the user is able to switch devices and equipment on/off remotely. It consists of a plug-unit with built-in relay communicating with a gateway that supports Zigbee. This smart relay also features a power meter functionality.

**Smart Plug**
The Smart Plug DIN 16 A enables the user to switch equipment on or off remotely. 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.
Prosumer Meter
The Prosumer Meter is designed to integrate household’s solar power modules in the smart energy or smart home solution. It allows the user to monitor the energy production combined with the consumption and gives an overview of the total result of this.

External Meter Interface - Norwegian HAN
The External Meter Interface serves as a Zigbee interface for Norwegian electricity meters. The meter interface collects the information from the existing meters and sends the data via Zigbee communication to appliances in the building. The user can easily follow the energy consumption through a display, a computer or a mobile phone.

External Meter Interface
The External Meter Interface serves as a Zigbee interface for your electronic meters at home. The meter interface collects the information from the existing meters and sends the data via Zigbee communication to appliances in the building. The user can easily follow the energy consumption 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 Gateway
The Squid.link Gateway is a modular platform for flexible Home Area Network. It connects wireless devices through a communication protocol and reports data back to the user’s computer or smartphone. The Squid.link Gateway is configurable and an extremely flexible solution for connecting networks based on different technologies.

The heart of wireless solutions
Develco Products’ gateway is a flexible white label platform for connecting all devices in a smart home or energy management system. The gateway supports a wide range of communication protocols including Zigbee, Z-Wave, WLAN, Wireless M-Bus, and Bluetooth Low Energy. The gateway is based on a programmable Linux platform.

Customizable
The Squid.link Gateway is configured when put into production. You can also design the appearance of the gateway the way you want. There are numerous design and color options that can be tailored according to your needs.

Smart home in a box
Our Starter Kits provide you with state-of-the-art devices and numerous possibilities. Take the first step towards getting your own IoT solution with the starter kits and experience how easy it can be to develop the application for your solution. The market-ready devices help you accommodate a wide range of needs. 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 Mini
- Window Sensor
- Smoke Alarm
- Smart Plug Mini
- Customizable

Evaluation Kit
With the Evaluation Kit, you can test the devices, evaluate their functionality, and analyze the results. You also gain limited access to our Support forum.

Key benefits
The Evaluation Kit allows you to:
- Test product performance
- Evaluate the functionalities of the devices
- Explore Squid Smart App
- Access REST API documentation on the gateway
- Learn how to install the devices
- Access relevant documentation in Support forum

Upgrade to Development Kit
When upgrading your Evaluation Kit to a Development Kit, you get an annual software license enabling you to use our SDK, Pre-built Rootfs, and development tools. You will also be provided with further technical support.

Starter Kits
The ultimate platform to get started with your IoT solution

Gateways
An in-one solution for connecting home devices across brands and wireless protocols

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Development Kit
The Development Kit is an out-of-the-box platform intended to ease the development of your application for the Squidlink Gateway.

Key benefits
The Development Kit provides you with:
- Everything you need for a quick start
- Software license for development
- Full access to online documentation and updates
- Development tools and instruction videos
- Configurations for C, C++, Python, and Java applications
- Secure log-on using individual keys
- Support via Helpdesk (by signing a Support Agreement)

Upgrade to Development Kit
When upgrading your Evaluation Kit to a Development Kit, you get an annual software license enabling you to use our SDK, Pre-built Rootfs, and development tools. You will also be provided with further technical support.

Starter Kits
The ultimate platform to get started with your IoT solution
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.

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 third-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. Another option is for you to use the demo application included in the gateway as the foundation of your application.

**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 Squidlink 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.

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.

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.

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.

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 Squidlink Gateway through a SmartAMM Server, which you are provided with free of charge.

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About Develco Products
Develco Products delivers a wireless infrastructure platform for solution providers within the smart home, building management and smart energy industries. We provide high-volume customized products for companies supplying end-users with Internet of Things solutions.

Tomorrow’s technology today
We are experts in wireless communication and have more than 10 years of experience in developing products based on a wide range of wireless technologies. 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.