**Technical Workshop**
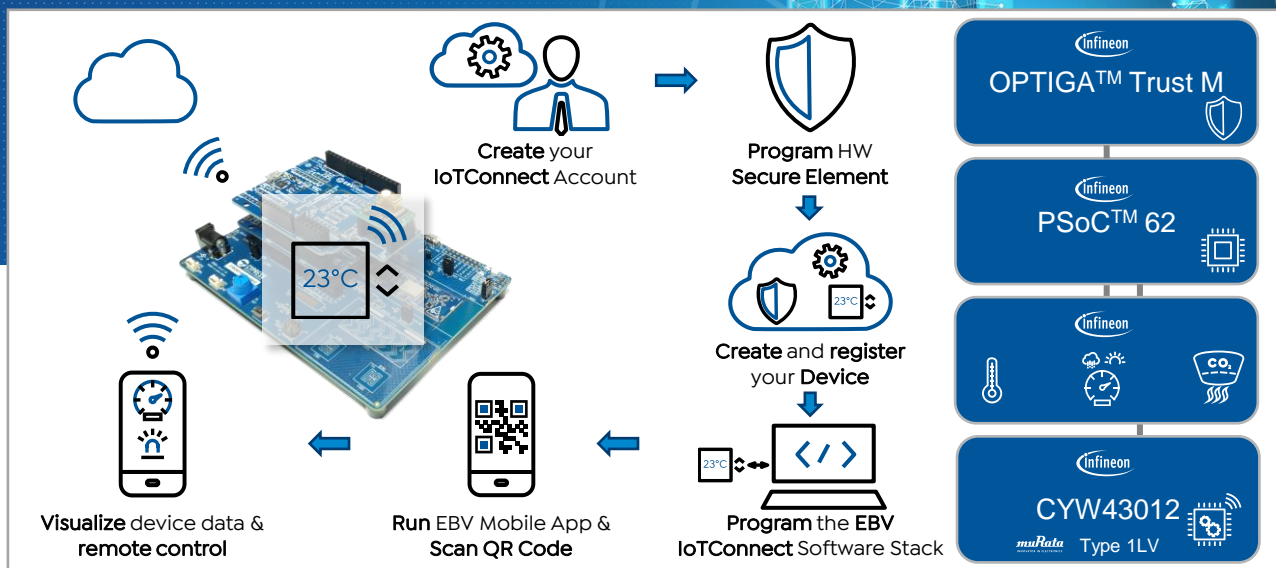
# EBV-IoT – Infineon & Avnet IoTConnect Secure Cloud Connected Solution

Improve your understanding of an IoT device complete lifecycle



Create your IoTConnect Account

Program HW Secure Element

Create and register your Device

Program the EBV IoTConnect Software Stack

Run EBV Mobile App & Scan QR Code

Visualize device data & remote control

OPTIGA™ Trust M

PSoC™ 62

CYW43012 muRata Type 1LV

## What is in there for me?

In a world where cyber threats are increasing daily, keeping connected devices safe and secure is a top priority. EBV Elektronik has designed a seminar to help customers protect their devices and their customers.

It utilises EBV Elektronik's extensive experience in the field of security, as well as the expertise of its partners. Real hardware and software components are provided, including Infineon's PSoC™ MCU, AIROC™ CYW43012 based muRata Type LV dual-band WiFi/BT combo module, PASCO2 and DPS310 pressure sensors using EBV internally developed PASCO2 and OPTIGA™ Trust M evaluation shields, as well as the Avnet IoTConnect cloud platform.

Avnet's IoTConnect software has been designed to simplify and secure your cloud platform and your IoT endpoints. It uses Secure Device Management (SDM) to create and maintain secure end-to-end connections between your cloud applications and your connected devices. IoTConnect also makes it easy to access the advanced features of cloud platforms using simple APIs.

## Topics covered

- **Software**: how to implement best-in-class security software on your devices as well as get you familiar with Infineon PSoC™ and ModusToolbox™ Application Development & JTAG Debugging

- **Evaluation kit**: an evaluation kit is provided that you can use to test and implement the security software and XENSIV™ environmental sensors

- **IoT Security**: all aspects of security, from implementation to best practices. It will explain how to work with IoTConnect SDKs, how it integrates into your target hardware, and how to use IoTConnect to access the powerful features of IoT cloud platforms.

## Applications

- Smart home automation, HVAC
- Environmental monitoring and control
- Industrial automation and control
- Smart cities and buildings
- Healthcare and medical devices
- Agriculture and farming
- Energy management and conservation

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