

## Solution brief

# XENSIV™ connected sensor kit

Fast IoT experience enabled by XENSIV™ sensors

The connected sensor kit solves the four biggest challenges of any IoT device development and deployment: sensing the world around us (sense), making sense of the raw data (compute), and connecting devices to the cloud (connect).

It is a feather compatible development kit for rapid prototyping and deployment of IoT devices. It consists of Infineon's highly accurate and precise XENSIV™ sensors (60 GHz radar sensor, PAS CO2 and DPS368 pressure sensor), low power dual core microcontroller (PSoC™ 6-2M), Bluetooth® and Wi-Fi as connectivity options within a software ecosystem provided through ModusToolbox™.

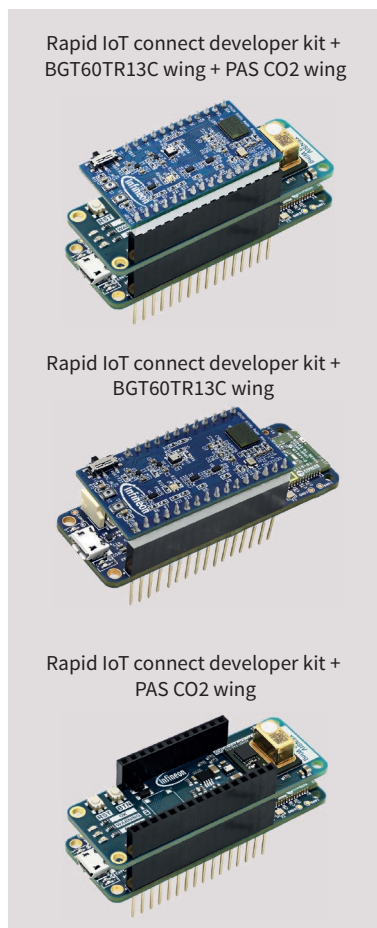
### Key features

- > Small form factor: 22.5 x 63 x 30 mm – feather compatible
- > Flexibility – Interchangeable sensor wing boards-stacked individually or combined
- > Sensors: XENSIV™ 60 GHz radar, PAS CO2 and DPS368 pressure sensor
- > PSoC™ 6-2M microcontroller
- > Connectivity – dual-band (2.4 and 5.0 GHz) Wi-Fi and Bluetooth 5.0-compliant combo radio module
- > Security – OPTIGA™ Trust M for secure authentication of IoT devices

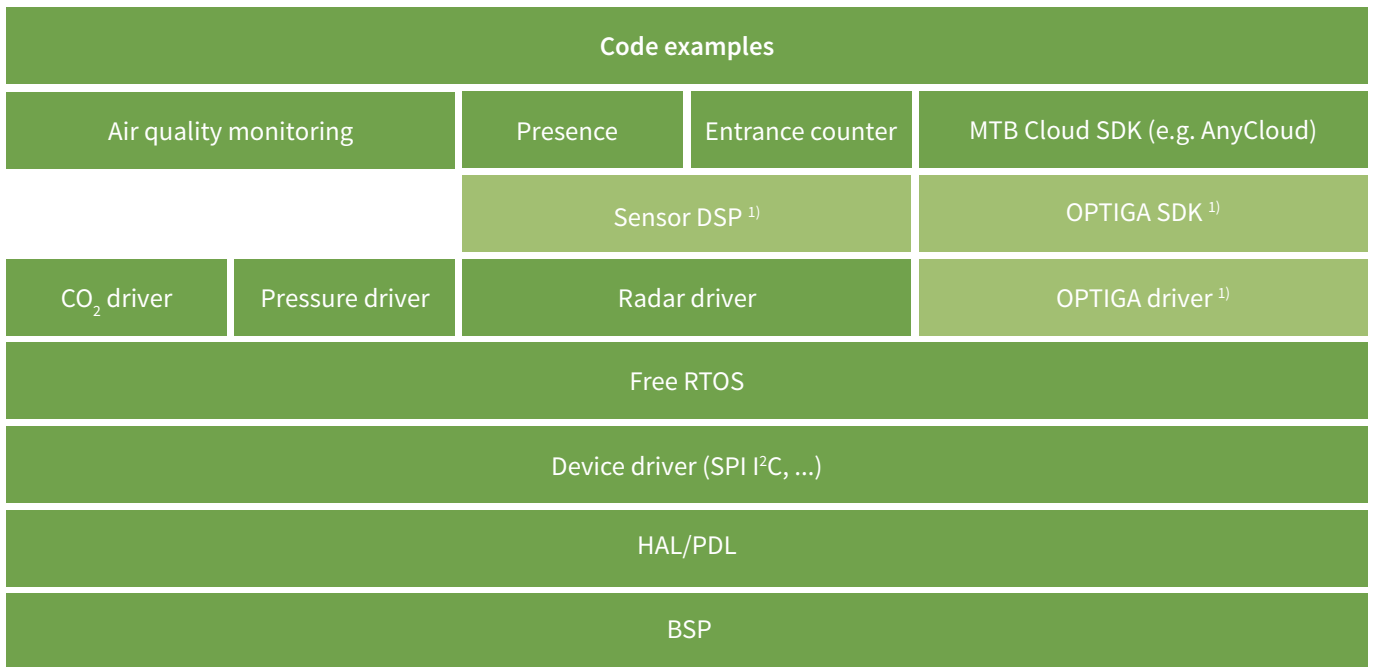
### Key benefits

- > Rapid prototyping – a connected sensor kit for fast development and deployment
- > One-stop-shop for any IoT device development based on XENSIV™ 60 GHz radar, PAS CO2 and DPS368 pressure sensor
- > Seamless integration to ModusToolbox™ with application code examples and sensor drivers for faster go-to-market

### XENSIV™ connected sensor kit



Software stack in ModusToolbox™



1) Coming soon

**Sensors**

- > XENSIV™ PAS CO<sub>2</sub>, BGT60TR13C radar and DPS368 pressure sensor

**Microcontroller and connectivity**

- > CYSBSYS-RP01 – Rapid IoT module (FCC and CE certified module) (PSoC™ 62M MCU (Cortex M4F/M0+) + Wi-Fi-Bluetooth® Combo)

**Security**

- > OPTIGA™ Trust M

**Kit certification**

- > CE

**Target applications**

- > Smart home devices, smart appliances, building management and control



[www.infineon.com](http://www.infineon.com)

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