



DATA SHEET

# System in Package Integrated Alarm System (IAS)

## Features and benefits

- System in Package (SiP) – Miniaturized and integrated form factor through Flex proprietary packaging process
- Factory configured with Infineon’s IAS algorithm
- Self contained subsystem that frees host processor from IAS sensor fusion workloads
- Low barrier for integration in new or existing products
- Lowest unit cost

## KEY COMPONENTS

### Integrated sensors and compute module

- QuickLogic EOS S3 - ARM Cortex M4-F up to 80Mhz with 512KB SRAM
- 8mb SPI flash
- Infineon DPS310 - Digital Barometric Pressure
- Infineon IM69D130 - Digital MEMS Microphone

For enquiries, please visit:  
[flex.com/connect-HMI](http://flex.com/connect-HMI)

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## INTERFACES

UART interfaces for debug, flashing, alarm conditions, raw sensor data

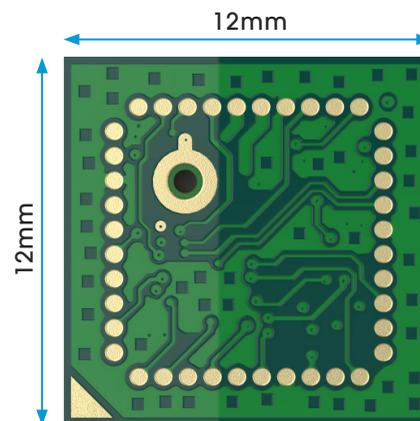
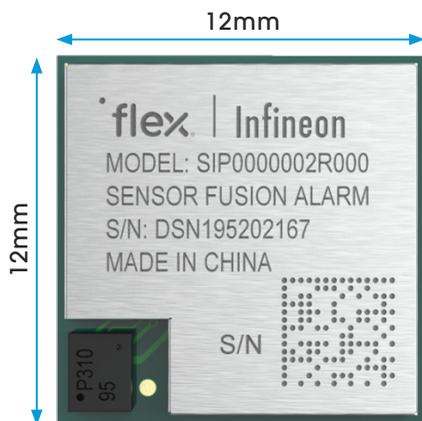
GPIOs: configurable for communication, control, test, alarm conditions

Flash Direct Access

SWD interface for debugging

## POWER

Operational Power Supply: 1.8V-3.3V



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