

Senior Hardware Development Engineer

As a Senior Hardware Engineer in the Ei Electronics Engineering and R&D group, you will be responsible for hardware architecture and board level design of new fire and gas detection products and systems. In your role you will be a part of the team that brings new products from concept through to high volume manufacturing environment delivery.

This is a senior role within the organization and the successful candidate will be expected to develop into the technical lead for multiple devices and components through the entire product life cycle, from developing roadmaps through to design and to mass-production support.

Experience Required:

The candidate should have experience in some or all of the following areas:

- Low-power circuit design, DC/DC converters, power management methods, and analogue design and mixed-signal board-level design.
- Processor architecture, digital circuit design and embedded systems.
- Various communications protocols such as I2C, UART, SPI, USB.
- A good fundamental understanding of RF technology and experience integrating RF technologies such as Zigbee, Zwave, WIFI, BlueTooth.
- Leading and driving design development from schematic capture, PCB layout through assembly, and test house validation and Knowledge of robust designs for ESD/EMI immunities and RF de-sensitisation.
- Partnering with software teams to define and implement firmware, drivers and algorithms

Additional Requirements:

The Successful candidate should also:

- Have an honours degree, or post graduate qualification, in Electronic Engineering
- 10 years of experience in consumer product design, including circuit design, integration, embedded systems, and debugging
- Have strong leadership skills and the ability to communicate effectively with a diverse set of customers and partners across multiple disciplines
- Have strong interpersonal skills and capability to manage and drive various cross-functional team members
- Have strong communication and documentation skills and ability to operate autonomously
- Have a good understanding of manufacturing process including DFM and DFT for consumer products
- Have a good working knowledge of the technical concepts involved in the development of products and processes