



# Embedded Firmware Solutions: Development Best Practices for the Internet of Things

*Vincent Zimmer, Jiming Sun, Marc Jones, Stefan Reinauer*

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*Embedded Firmware Solutions* is the perfect introduction and daily-use field guide--for the thousands of firmware designers, hardware engineers, architects, managers, and developers--to Intel's new firmware direction (including Quark coverage), showing how to integrate Intel® Architecture designs into their plans.

Featuring hands-on examples and exercises using Open Source codebases, like Coreboot and EFI Development Kit (tianocore) and Chromebook, this is the first book that combines a timely and thorough overview of firmware solutions for the rapidly evolving embedded ecosystem with in-depth coverage of requirements and optimization.

## What you'll learn

- Understand the key differences between PC and embedded ecosystems in terms of firmware needs.
- Thorough underpinning of Intel's firmware solutions.
- How to build a firmware stack for Quark.
- How to integrate FSP with a bootloader, by studying the hands-on example of Coreboot and UEFI.
- How to make a smart "build-it or buy-it" decision when starting a new embedded project.

## Who this book is for

Firmware designers and engineers, hardware engineers, software architects, and product development managers.

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