

<<嵌入式系统体系结构编程与设计>>

图书基本信息

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### 内容概要

本书是关于嵌入式系统开发与设计的一部最新力作，介绍了嵌入式系统的硬件、操作系统、开发过程以及编程。

全书系统地阐述了嵌入式系统的基本概念、处理器处存储器、设备与总线、设备驱动与中断服务，基本的C与C++、编程模型、软件工程的思想、进程间通信与同步、实时操作系统以及软硬件协同设计

。附录中包含了CISC与RISC指令集特征，并详细阐述了几种高性能的嵌入式处理器、微控制器、数字信号处理器以及总线和设备。

本书提供了大量案例，这对读者的实践开发具有非常好的指导意义。

本书适合于嵌入式系统的软硬件开发人员，以及接受嵌入式系统课程教育的本科生和研究生。

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