



图书基本信息



## 内容概要

广泛的硬件支持、高效稳定的内核、开源共享的软件、优秀的开发工具、完善的网络通信和文件管理机制等特点，使嵌入式Linux获得了广泛应用，已成为嵌入式开发的主流平台。

本书是嵌入式Linux领域名著。

全面深入而又简明地阐述了构建嵌入式Linux系统的精髓。

书中不仅剖析了嵌入式Linux系统，而且讲述了处理器、内核、引导装入程序、设备驱动程序、文件系统等关键组件，介绍了嵌入式Linux系统的开发工具、调试技术。

作者多年积累总结的嵌入式Linux开发技巧和提示，无论对初学者还是有经验的开发人员，都弥足珍贵。

这一版不仅对原有章节进行了全面的修订、更新和改进，还新增了udev、USB和开源构建系统等内容。

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## 作者简介

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他有25年以上网络和通信产品的软硬件开发经验。  
曾担任Linux咨询师，提供定制Linux主板接口、设备驱动程序和引导装入程序等方面的解决方案。



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## 章节摘录

版权页：插图：Nearly everyone is familiar with Compact Flash and SD cards used in a wide variety of consumer devices, such as digital cameras and PDAs ( both great examples of embedded systems ). These modules, based on Flash memory technology, can be thought of as solid-state hard drives, capable of storing many megabytes—and even gigabytes-of data in a tiny footprint. They contain no moving parts, are relatively rugged, and operate on a single common power supply voltage. Several manufacturers of Flash memory exist. Flash memory comes in a variety of electrical formats, physical packages, and capacities. It is not uncommon to see embedded systems with as little as 4MB or 8MB of nonvolatile storage. More typical storage requirements for embedded Linux systems range from 16MB to 256MB or more. An increasing number of embedded Linux systems have nonvolat.



## 媒体关注与评论

“这本书很令我振奋。

它为那些想在嵌入式系统中使用Linux的开发人员提供了极好的学习路线指导。

本书内容简洁、准确，组织合理。

Christopher的知识和见解贯穿全书，你不仅能得到很多信息和帮助，也能享受到阅读的乐趣。

”——Arnold Robbins，著名Linux专家“本书涵盖了嵌入式Linux开发的方方面面……强烈推荐每一位嵌入式Linux开发人员阅读。

”——LinuxQuestions.org



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