



基于RTX51 Tiny实时多操作系统的软件设计与应用

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Design and application of software based on RTX51 Tiny real-time operating system

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全文: PDF (781 KB) HTML (1 KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 传统的单片机编程模式难以适应目前越来越复杂和多变的应用需求,而基于小内核操作系统支持的单片机编程可以很好地解决应用时碰到的很多困难.研究了实时多任务操作系统RTX51 Tiny的内核原理和在此基础上的单片机编程方法,并给出了应用实例和在开发中应注意的一些问题.

关键词: 单片机 实时操作系统 RTX51 Tiny

Abstract: Currently the programming method of single-chip microcontroller really faced big challenge owing to more and more complex requirement of application,therefore it is a better choice using this programming method under supporting of real-time operating system than conventional programming method.This paper researched corresponding programming method of the embedded application and working process of RTX51 Tiny,which is a real-time multitask operating system.In addition gives application instance and problems which should be paid attention to during development.

Key words:

收稿日期: 2009-06-06;

引用本文:

何勇. 基于RTX51 Tiny实时多操作系统的软件设计与应用[J]. 云南大学学报(自然科学版), 2010, 32(2): 152-157 .

\$author.xingMing_EN. Design and application of software based on RTX51 Tiny real-time operating system[J]. , 2010, 32(2): 152-157 .

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