

产品、研发、测试

## USB接口软件自动化测试实现

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**摘要** 随着软件技术的发展,手工测试已不能满足软件测试的要求,软件测试自动化是软件测试的发展趋势。本文结合USB接口软件功能测试的特点,对其进行了自动化测试需求分析;确定了自动化测试的范围;在Microsoft Visual Studio.net平台下,基于组件开发的思想,用C#语言开发了USB接口软件自动化测试系统。并经过测试实践,验证了该自动化测试系统的可靠性。通过对手工测试和自动化测试的对比,展示了该系统的优越性。

**关键词** [USB接口](#) [软件](#) [自动化测试](#)

分类号

## Realization of automated Testing on USB Interface Software

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### Abstract

Along with the development of the software engineering technique, Software testing becomes more and more important during the development process and it is very important to software's quality. On the other hand, automated testing becomes more and more prevalent in software testing. In this paper, after studying the test of USB interface software and analyzing the demand of automation, the scope for USB automated testing is established. Then test flow charts are built based on the demand and scope. We inherit component mode of software development and finish developing automated testing system for USB interface software automated testing, which is realized on Microsoft Visual Studio.Net platform. Using this system the efficiency of the test is much more improved.

**Key words** [USB Interface](#) [Software](#) [Automated testing](#)

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