Abstract

In this paper, an implementation of Dynamic Reconfigurable Touch Screen Keyboard (DRTSK) using a touch-screen panel and display are integrated in a development board is presented. An ARM920T based development kit (FriendlyARM) is programmed and implemented as a touch screen reconfigurable keyboard device. The FriendlyARM is interfaced with PC. The communication is through standard interfaces. The reconfigurable touch screen keyboard implemented on the hardware, tested under different operating systems and the functionality is validated.
An Implementation of Dynamic Reconfigurable Touch Screen Keyboard

References

- Seokhoon Ko, Seman Oh, Dynamic reconfigurable screen keyboard generation method using probe key test. 01/2010; In proceeding of: Fifth IEEE International Conference on Digital Information Management, ICDIM 2010, July 5-8, 2010, Lakehead University, Thunder Bay, Canada
- Son, Yunsik, Dynamic Touch-Screen UI Generation of Mobile Application Using Probe Key Test http://dx. doi. org/10. 1109/GCCE. 2012. 6379610 Publication Year: 2012 , Page(s): 304 – 308
- S3c2440a 32-Bit CMOS Microcontroller User’s Manual Revision 1, Samsung Electronics, 2012
- Friendly ARM Internet Forum www. friendlyarm. net

Index Terms

Computer Science

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Keywords
Dynamic Reconfigurable Keyboard Touch-screen ARM.