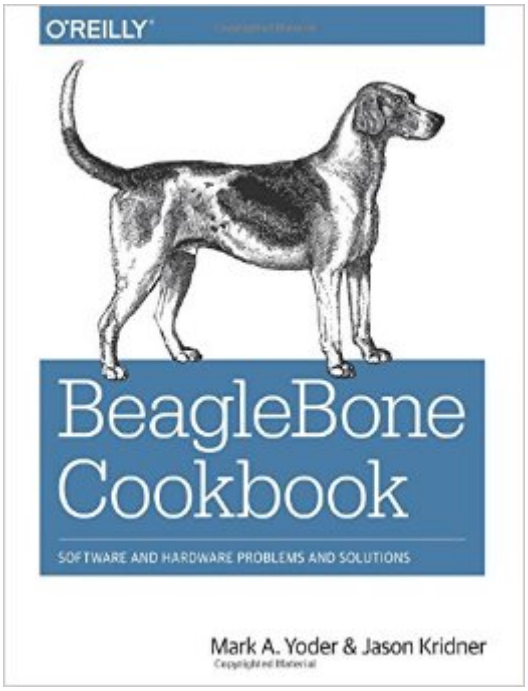
The book was found

BeagleBone Cookbook: Software And Hardware Problems And Solutions



PDF
Adobe
DOWNLOAD EBOOK

Synopsis

BeagleBone is an inexpensive web server, Linux desktop, and electronics hub that includes all the tools you need to create your own projectsâ ”whether itâ ™s robotics, gaming, drones, or software-defined radio. If youâ ™re new to BeagleBone Black, or want to explore more of its capabilities, this cookbook provides scores of recipes for connecting and talking to the physical world with this credit-card-sized computer.All you need is minimal familiarity with computer programming and electronics. Each recipe includes clear and simple wiring diagrams and example code to get you started. If you donâ ™t know what BeagleBone Black is, you might decide to get one after scanning these recipes.Learn how to use BeagleBone to interact with the physical worldConnect force, light, and distance sensorsSpin servo motors, stepper motors, and DC motorsFlash single LEDs, strings of LEDs, and matrices of LEDsManage real-time input/output (I/O)Work at the Linux I/O level with shell commands, Python, and CCompile and install Linux kernelsWork at a high level with JavaScript and the BoneScript libraryExpand BeagleBoneâ ™s functionality by adding capesExplore the Internet of Things

Book Information

Paperback: 346 pages

Publisher: O’Reilly Media; 1 edition (April 18, 2015)

Language: English

ISBN-10: 1491905395

ISBN-13: 978-1491905395

Product Dimensions: 7 x 0.8 x 9.2 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 starsÂ Â See all reviewsÂ (6 customer reviews)

Best Sellers Rank: #740,112 in Books (See Top 100 in Books) #83 inÂ Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > Embedded Systems #219 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Microelectronics #235 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Digital Design

Customer Reviews

First, I must confess that although I read the review by Customer before I bought the book, not being a Linux expert and thinking that his/her note about libsoc was just some arcane Linux issue, it didn’t register. Well, I experienced the problem first hand when I tried to install libsoc in example 5-4

on p 177. Although I made a hokey hack work around, I learned that the correct solution is to get version 1.11.6 of Automake. This issue is known, documented, and now closed. See below. By the way, libsoc makes using C easy, and C code runs faster than BoneScript.https://github.com/jackmitch/libsoc/issues/27Getting back to book, just the first chapter alone makes it worth the price. It will get you started from scratch, and you will be able to do things after a few pages. (Part of the credit goes to Beagleboard.org and TI for the clever tools they created.) By the end of the chapter you will learn how to create an SD card and load the Flash by following detailed, explicit, easy-to-understand instructions, a big time saver!I read the book chapter by chapter and tried some of the examples. The format of each recipe is: Problem statement, Solution, and Discussion. The Problem statement is short, a couple of lines or so. The Solution tells what hardware you need, part numbers, and where it may be obtained. Then it tells what software you need to install and step by step instructions on how to do it. Lastly, is the code. In the cases where the code requires elaboration, explanatory text mapped to code lines is provided. Lastly, there is a Discussion section related to the example, either directly or tangentially. The Discussions generally make good reading, even if you are not interested in implementing the example.

Download to continue reading...

BeagleBone Cookbook: Software and Hardware Problems and Solutions Windows 10 Troubleshooting: Windows 10 Manuals, Display Problems, Sound Problems, Drivers and Software: Windows 10 Troubleshooting: How to Fix Common Problems ... Tips and Tricks, Optimize Windows 10) My Child Won't Sleep Through the Night: 5 No-Cry Solutions to Solve Your Child's Sleep Issues (Baby Sleep Solutions, Toddler Sleep Problems, Child Sleep Solutions, No-Cry Sleep Solution) ECHO USER GUIDE: The Official User Guide For Using Your Echo (technology mobile communication kindle alexa computer hardware) (Echo ... & Technology Ebooks Hardware & DYI) Computer Organization and Design, Fourth Edition: The Hardware/Software Interface (The Morgan Kaufmann Series in Computer Architecture and Design) Computer Organization and Design, Third Edition: The Hardware/Software Interface, Third Edition (The Morgan Kaufmann Series in Computer Architecture and Design) Computer Organization and Design: The Hardware Software Interface: ARM Edition (The Morgan Kaufmann Series in Computer Architecture and Design) The 8088 and 8086 Microprocessors: Programming, Interfacing, Software, Hardware, and Applications (4th Edition) Make: Arduino Bots and Gadgets: Six Embedded Projects with Open Source Hardware and Software (Learning by Discovery) Microprocessors and Microcomputers: Hardware and Software (6th Edition) Hardware and Software: Verification and Testing: 11th International Haifa Verification Conference, HVC 2015, Haifa, Israel, November 17-19, 2015, Proceedings (Lecture Notes in

Computer Science) A+ Guide to IT Technical Support (Hardware and Software) The Architecture of Computer Hardware, Systems Software, and Networking: An Information Technology Approach Intel Microprocessors: Hardware, Software, and Applications, Lab Manual The Architecture of Computer Hardware and System Software: An Information Technology Approach, 5th Edition The HCS12 / 9S12: An Introduction to Software and Hardware Interfacing MC68HC12 An Introduction: Software and Hardware Interfacing MC68HC11: An Introduction - Software and Hardware Interfacing, 2nd Edition Mc 68Hc11 an Introduction: Software and Hardware Interfacing Microprocessor Systems Design: 68000 Family Hardware, Software, and Interfacing

Dmca