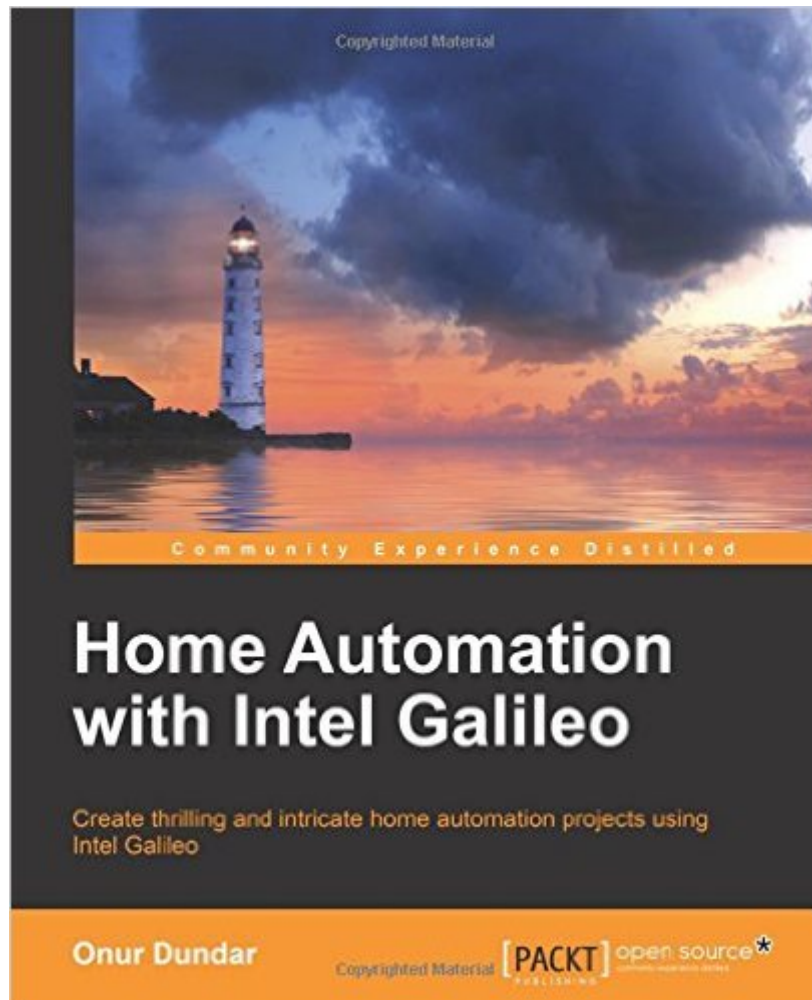


The book was found

Home Automation With Intel Galileo



Synopsis

Create thrilling and intricate home automation projects using Intel Galileo About This Book Make the most out of Intel Galileo by understanding its fundamentals and architecture Explore sensors and devices to successfully control home functions like lights, security, energy management, and many more Written in a lucid and step-by-step approach explaining varied aspects of home automation Who This Book Is For This book is for anyone who wants to learn Intel Galileo for home automation and cross-platform software development. No knowledge of programming with Intel Galileo is assumed, but knowledge of the C programming language is essential. What You Will Learn Set up a software development environment for cross-platform software programming Employ Yocto Project basics to create custom Linux images for Intel Galileo Development Board Develop applications on the Eclipse IDE and deploy them on the Linux operating system Construct applications with external devices and sensors on Linux and Intel Galileo using standard and third-party Linux libraries Explore home automation concepts, energy management and security, and related protocols and open source projects. Familiarize yourself with inter-process communication by using Linux network sockets and named pipes Design and build applications to serve data with Intel Galileo to turn Intel Galileo into a home gateway or hub with help from Node.js In Detail This book provides you with a rapid introduction to Intel Galileo and home automation. You will start by setting up the Intel Galileo Board and its software development environment and learning cross-platform software programming using C and Linux. It then walks you through the home automation concept and provides insights about existing sensors and devices to use with Intel Galileo and explains how to use them in your own home. You will also create applications for energy management with electrical and environmental sensors and safeguard your homes using monitoring and surveillance concepts. Finally, you will learn to add advanced features to your home automation applications such as web interfaces to control devices, connecting with smartphones, and adding a microphone to add voice control features. All in all, this book is a practical guide to learn about Intel Galileo and experience the joy of building full-fledged projects for home automation.

Book Information

Paperback: 179 pages

Publisher: Packt Publishing - ebooks Account (March 30, 2015)

Language: English

ISBN-10: 1785285777

ISBN-13: 978-1785285776

Product Dimensions: 7.5 x 0.4 x 9.2 inches

Shipping Weight: 15 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars Â Â See all reviews Â (2 customer reviews)

Best Sellers Rank: #2,937,260 in Books (See Top 100 in Books) #44 in Â Books > Computers & Technology > Networking & Cloud Computing > Home Networks #466 in Â Books > Computers & Technology > Hardware & DIY > Peripherals #567 in Â Books > Computers & Technology > Hardware & DIY > Internet & Networking

Customer Reviews

"A very nice book to follow up basic home automation projects and develop a complex home gateway on a Linux platforms. All code is working well and easily portable to raspberry pi and other platforms. I recommend the book both people who are are into a professional smart home project and DIY projects."

Great book, good content coverage and the best is I managed to run the examples on Raspberry Pi without much effort!

[Download to continue reading...](#)

Home Automation with Intel Galileo Intel Galileo Essentials REI Automation Blueprint The A-Z Blueprint To Automate Your Real Estate Business: REI Automation Blueprint The A-Z Blueprint To Automate Your Real ... Brittney Calloway of Top Notch Consulting Arduino Home Automation Projects : Automate your Home using the powerful Arduino Platform (Community Experience Distilled) Smart Home Automation with Linux and Raspberry Pi Smart Home Automation with Linux (Expert's Voice in Linux) Home Automation & Wiring Introduction to 64 Bit Intel Assembly Language Programming for Linux: Second Edition Assembly Language for Intel-Based Computers (3rd Edition) Assembly Language for Intel-Based Computers (4th Edition) Parallel Programming with Intel Parallel Studio XE Intel Threading Building Blocks: Outfitting C++ for Multi-core Processor Parallelism Software Optimization Cookbook: High-Performance Recipes for the Intel Architecture Intel Trinity,The: How Robert Noyce, Gordon Moore, and Andy Grove Built the World's Most Important Company Automation, Production Systems, and Computer-Integrated Manufacturing (4th Edition) Genetic Algorithms and Engineering Design (Engineering Design and Automation) Continuous Delivery: Reliable Software Releases through Build, Test, and Deployment Automation (Addison-Wesley Signature Series (Fowler)) The Three R's of Software Automation: Re-Engineering Repository Reusability Learning Puppet 4: A Guide to Configuration Management and Automation

