1.	Record Nr.	UNINA9910808245103321
	Autore	Molloy Derek
	Titolo	Exploring beaglebone : tools and techniques for building with embedded linux / / Derek Molloy
	Pubbl/distr/stampa	Indianapolis, Indiana : , : John Wiley & Sons, , 2015 ©2015
	ISBN	1-119-18350-2 1-118-93521-7 1-118-93513-6
	Edizione	[1st edition]
	Descrizione fisica	1 online resource (599 p.)
	Disciplina	005.4469
	Soggetti	BeagleBone (Computer) Embedded computer systems
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Exploring BeagleBone; About the Author; About the Technical Editors; Credits; Acknowledgments; Contents; Introduction; Part I BeagleBone Basics; JavaScript and Node.js on the BBB 1; Chapter 1 The BeagleBone Hardware; Introduction to the Platform; Who Should Use the BeagleBone; When to Use the BeagleBone; When You Should Not Use the BeagleBone; echo and cat ; BeagleBone Documentation; The BeagleBone Hardware; BeagleBone Versions; The BeagleBone Black Hardware; BeagleBone Accessories; Highly Recommended Accessories; Micro-SD Card (for Flashing the BBB) External 5V Power Supply (for Flashing and Peripherals)Ethernet Cable (for Network Connection); HDMI Cable (for Connection to Monitors/Televisions); USB to Serial UART TTL 3.3 V (for Finding Problems); Optional Accessories; USB Hub (to Connect Several USB Devices to a USB Host); Micro-HDMI to VGA adapters (for VGA Video and Sound); Wi-Fi Adapters (for Wireless Networking); USB Webcam (for Capturing Images and Streaming Video); USB Keyboard and Mouse (for General-Purpose Computing); Capes; How to Destroy Your BeagleBone!; Summary; Support; Chapter 2 The BeagleBone Black Software Linux on the BeagleBoneLinux Distributions; Communicating with the

Sommario/riassunto	In-depth instruction and practical techniques for building with the BeagleBone embedded Linux platform Exploring BeagleBone is a hands-on guide to bringing gadgets, gizmos, and robots to life using the popular BeagleBone embedded Linux platform. Comprehensive content and deep detail provide more than just a BeagleBone instruction manual-you'll also learn the underlying engineering techniques that will allow you to create your own projects. The book begins with a foundational primer on essential skills, and then gradually moves into communication, control, and advanced applications using C/C+