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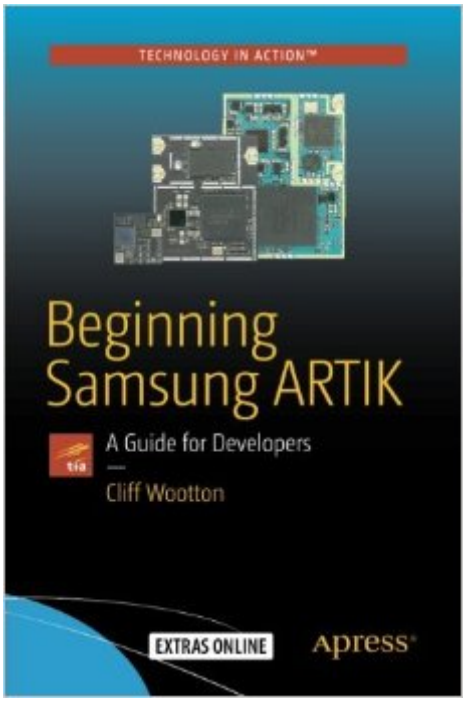
Beginning Samsung ARTIK: A Guide For Developers



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Synopsis

Samsung’s announcement of the new ARTIK modules for IoT has generated tremendous interest in the developer market for wearable and other consumer or industrial devices. This book provides the perfect tutorial-based introduction to the ARTIK family of â œSystems on Modules,â • which integrate powerful microprocessors, memory, wireless connectivity, and enhanced security on to very small form factor boards. Beginning Samsung ARTIK will help you understand which ARTIK modules to use for various applications, and how to produce code for them. This book goes beyond the information previously available online, efficiently guiding developers from initial setup of their development environment to product development and prototyping in no time. Helpful background insights into foundation technology is provided for beginners and useful reference information is included for more advanced developers.Â Using examples provided by the author and working in a cross-platform environment, readers will quickly learn how to: Use terminal emulators to access the command line and talk to the deviceEstablish Wi-Fi connectivity with a wireless networkUpgrade the operating system and install additional softwareBring up Eclipse IDE and create a cross-compiler toolchain on Mac OS XUse Arduino IDE with libArduino to cross-compile for the ARM processors in the ARTIK modulesUse C language to access the ARTIK hardware via a file based APIUse Node.js & Python inside the ARTIK moduleIntegrate applications with the Samsung SAMI data aggregation hubUse Temboo to generate IoT software solutions that can be downloaded and compiled natively inside the ARTIKDebug applications with software and hardware probesWith Beginning Samsung ARTIK as your guide, take the next steps to creating great solutions with an ARTIK.

Book Information

Paperback: 355 pages
Publisher: Apress; 1st ed. edition (May 18, 2016)
Language: English
ISBN-10: 1484219511
ISBN-13: 978-1484219515
Product Dimensions: 6.1 x 0.9 x 9.2 inches
Shipping Weight: 1.3 pounds (View shipping rates and policies)
Average Customer Review: Be the first to review this item
Best Sellers Rank: #863,486 in Books (See Top 100 in Books) #62 inÂ Books > Computers & Technology > Computer Science > AI & Machine Learning > Expert Systems #102 inÂ Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > Microprocessor

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