



Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development

By Gary Stringham

[Download now](#)

[Read Online](#) 

Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development By Gary Stringham

Why care about hardware/firmware interaction? These interfaces are critical, a solid hardware design married with adaptive firmware can access all the capabilities of an application and overcome limitations caused by poor communication. For the first time, a book has come along that will help hardware engineers and firmware engineers work together to mitigate or eliminate problems that occur when hardware and firmware are not optimally compatible. Solving these issues will save time and money, getting products to market sooner to create more revenue.

The principles and best practices presented in this book will prove to be a valuable resource for both hardware and firmware engineers. Topics include register layout, interrupts, timing and performance, aborts, and errors. Real world cases studies will help to solidify the principles and best practices with an aim towards cleaner designs, shorter schedules, and better implementation!

- Reduce product development delays with the best practices in this book
- Concepts apply to ASICs, ASSPs, SoCs, and FPGAs
- Real-world examples and case studies highlight the good and bad of design processes

 [Download Hardware/Firmware Interface Design: Best Practices ...pdf](#)

 [Read Online Hardware/Firmware Interface Design: Best Practic ...pdf](#)

Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development

By Gary Stringham

Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development

By Gary Stringham

Why care about hardware/firmware interaction? These interfaces are critical, a solid hardware design married with adaptive firmware can access all the capabilities of an application and overcome limitations caused by poor communication. For the first time, a book has come along that will help hardware engineers and firmware engineers work together to mitigate or eliminate problems that occur when hardware and firmware are not optimally compatible. Solving these issues will save time and money, getting products to market sooner to create more revenue.

The principles and best practices presented in this book will prove to be a valuable resource for both hardware and firmware engineers. Topics include register layout, interrupts, timing and performance, aborts, and errors. Real world cases studies will help to solidify the principles and best practices with an aim towards cleaner designs, shorter schedules, and better implementation!

- Reduce product development delays with the best practices in this book
- Concepts apply to ASICs, ASSPs, SoCs, and FPGAs
- Real-world examples and case studies highlight the good and bad of design processes

Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development

By Gary Stringham Bibliography

- Sales Rank: #102030 in Books
- Published on: 2009-12-01
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .88" w x 7.52" l, 2.15 pounds
- Binding: Hardcover
- 376 pages



[Download Hardware/Firmware Interface Design: Best Practices ...pdf](#)



[Read Online Hardware/Firmware Interface Design: Best Practic ...pdf](#)

Download and Read Free Online Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development By Gary Stringham

Editorial Review

Review

"I did not have to read too far into this book to realize that the author has extensive experience with not only microcontroller programming but also the management of engineering projects involving hardware and firmware. The format of the book is characterized by numerous boxed text inserts and copious bullet items. However, the content is not fluff; the book is loaded with information, some significant fraction of which can be found only in industry among those with development experience. This author has it."--Dennis L Feucht, www.en-genius.net

"The book is loaded with information, some significant fraction of which can be found only among those with development experience. This author has it.... This is a good book for anyone who is involved in hardware-firmware development and who knows just enough to want to better understand how to organize and design it all."--EN-Genius Network

Users Review

From reader reviews:

Donald Campbell:

The ability that you get from Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development may be the more deep you rooting the information that hide within the words the more you get enthusiastic about reading it. It does not mean that this book is hard to know but Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development giving you joy feeling of reading. The writer conveys their point in specific way that can be understood by simply anyone who read that because the author of this book is well-known enough. This book also makes your own personal vocabulary increase well. Making it easy to understand then can go with you, both in printed or e-book style are available. We advise you for having this kind of Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development instantly.

Noah Giles:

Reading can called thoughts hangout, why? Because if you are reading a book specially book entitled Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development your mind will drift away trough every dimension, wandering in each aspect that maybe unfamiliar for but surely will end up your mind friends. Imaging every single word written in a reserve then become one form conclusion and explanation that will maybe you never get prior to. The Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development giving you a different experience more than blown away the mind but also giving you useful data for your better life in this era. So now let us demonstrate the relaxing pattern here is your body and mind will probably be pleased when you are finished looking at it, like winning a. Do you want to try this extraordinary shelling out spare time activity?

Robert Stitt:

The book untitled Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development contain a lot of information on the idea. The writer explains the girl idea with easy approach. The language is very simple to implement all the people, so do not worry, you can easy to read it. The book was published by famous author. The author will take you in the new time of literary works. It is possible to read this book because you can read more your smart phone, or gadget, so you can read the book with anywhere and anytime. In a situation you wish to purchase the e-book, you can wide open their official website along with order it. Have a nice go through.

Thomas Schroeder:

Beside this particular Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development in your phone, it can give you a way to get closer to the new knowledge or information. The information and the knowledge you can got here is fresh through the oven so don't be worry if you feel like an outdated people live in narrow town. It is good thing to have Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development because this book offers to you readable information. Do you at times have book but you rarely get what it's interesting features of. Oh come on, that would not happen if you have this with your hand. The Enjoyable blend here cannot be questionable, including treasuring beautiful island. Use you still want to miss this? Find this book along with read it from right now!

Download and Read Online Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development By Gary Stringham #KL1CY35MRZ4

Read Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development By Gary Stringham for online ebook

Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development By Gary Stringham Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development By Gary Stringham books to read online.

Online Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development By Gary Stringham ebook PDF download

Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development By Gary Stringham Doc

Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development By Gary Stringham MobiPocket

Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development By Gary Stringham EPub

KL1CY35MRZ4: Hardware/Firmware Interface Design: Best Practices for Improving Embedded Systems Development By Gary Stringham