



 Get Print Book

The Design Warrior's Guide to FPGAs: Devices, Tools and Flows (Edn Series for Design Engineers)

By Clive Maxfield



Download



Read Online

The Design Warrior's Guide to FPGAs: Devices, Tools and Flows (Edn Series for Design Engineers) By Clive Maxfield

Field Programmable Gate Arrays (FPGAs) are devices that provide a fast, low-cost way for embedded system designers to customize products and deliver new versions with upgraded features, because they can handle very complicated functions, and be reconfigured an infinite number of times. In addition to introducing the various architectural features available in the latest generation of FPGAs, *The Design Warrior's Guide to FPGAs* also covers different design tools and flows.

This book covers information ranging from schematic-driven entry, through traditional HDL/RTL-based simulation and logic synthesis, all the way up to the current state-of-the-art in pure C/C++ design capture and synthesis technology. Also discussed are specialist areas such as mixed hardware/software and DSP-based design flows, along with innovative new devices such as field programmable node arrays (FPNAs).

Clive "Max" Maxfield is a bestselling author and engineer with a large following in the electronic design automation (EDA) and embedded systems industry. In this comprehensive book, he covers all the issues of interest to designers working with, or contemplating a move to, FPGAs in their product designs. While other books cover fragments of FPGA technology or applications this is the first to focus exclusively and comprehensively on FPGA use for embedded systems.

- First book to focus exclusively and comprehensively on FPGA use in embedded designs
- World-renowned best-selling author
- Will help engineers get familiar and succeed with this new technology by providing much-needed advice on choosing the right FPGA for any design project



[Download The Design Warrior's Guide to FPGAs: Devices, ...pdf](#)



[Read Online The Design Warrior's Guide to FPGAs: Device ...pdf](#)

The Design Warrior's Guide to FPGAs: Devices, Tools and Flows (Edn Series for Design Engineers)

By Clive Maxfield

The Design Warrior's Guide to FPGAs: Devices, Tools and Flows (Edn Series for Design Engineers)

By Clive Maxfield

Field Programmable Gate Arrays (FPGAs) are devices that provide a fast, low-cost way for embedded system designers to customize products and deliver new versions with upgraded features, because they can handle very complicated functions, and be reconfigured an infinite number of times. In addition to introducing the various architectural features available in the latest generation of FPGAs, *The Design Warrior's Guide to FPGAs* also covers different design tools and flows.

This book covers information ranging from schematic-driven entry, through traditional HDL/RTL-based simulation and logic synthesis, all the way up to the current state-of-the-art in pure C/C++ design capture and synthesis technology. Also discussed are specialist areas such as mixed hardware/software and DSP-based design flows, along with innovative new devices such as field programmable node arrays (FPNAs).

Clive "Max" Maxfield is a bestselling author and engineer with a large following in the electronic design automation (EDA) and embedded systems industry. In this comprehensive book, he covers all the issues of interest to designers working with, or contemplating a move to, FPGAs in their product designs. While other books cover fragments of FPGA technology or applications this is the first to focus exclusively and comprehensively on FPGA use for embedded systems.

- First book to focus exclusively and comprehensively on FPGA use in embedded designs
- World-renowned best-selling author
- Will help engineers get familiar and succeed with this new technology by providing much-needed advice on choosing the right FPGA for any design project

The Design Warrior's Guide to FPGAs: Devices, Tools and Flows (Edn Series for Design Engineers)

By Clive Maxfield Bibliography

- Sales Rank: #1027324 in Books
- Brand: Brand: Newnes
- Published on: 2004-04-26
- Released on: 2004-04-12
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 1.26" w x 7.50" l, 2.53 pounds
- Binding: Paperback
- 542 pages

 [Download The Design Warrior's Guide to FPGAs: Devices, ...pdf](#)

 [Read Online The Design Warrior's Guide to FPGAs: Device ...pdf](#)

Download and Read Free Online The Design Warrior's Guide to FPGAs: Devices, Tools and Flows (Edn Series for Design Engineers) By Clive Maxfield

Editorial Review

Review

The Design Warrior's Guide to FPGAs describes not only everything you need to know to start designing FPGAs, but also how the art came to be in its current state...Unlike many in the EDA industry, Maxfield doesn't forget that chips go on boards: One chapter looks at PCB considerations of FPGA Design...I must admit that when I first saw the book, I imagined reading it would be something of a slog as so many technical books are. Upon opening the book, I was delighted to discover that Maxfield's writing style actually makes reading the book more of a romp in the part. There are portions of the book that I intended to just scan but found myself sucked into reading in full...The Design Warrior's Guide to FPGAs will be a great source of knowledge to the FPGA newcomer. It will also provide new insights and broaden the veteran designer's knowledge of the field. But most of all it is a fun and engaging read for anyone for whom electronics design is more than a 9-to-5 job. It is a good buy at the \$49.95 list price - PRINTED CIRCUIT DESIGN & MANUFACTURE JULY 2004

If you've never read any books written by Clive "Max" Maxfield, then you're in for a treat. True to form, his latest book on FPGAs is enjoyable to read. Yet it's also rich in the technical details that any modern designer would need...He covers all of the issues that anyone working with FPGAs or thinking about moving to them would need to know...As with most of Max's work, this book's appendix is a treasure trove of background tutorials...While this book is well suited for young engineers - anyone with less than the prerequisite five years in FPGA or ASIC design - it also offers many topics that will interest the experienced designer - Wireless Systems Design, August 2004

...a must-read book for those designers who either want an introduction to designing with FPGAs or need to broaden their understanding of the EDA tools available for such applications. Maxfield writes in a easy-to-read style, and provides insightful and diverse information for designers and curious readers alike. The author has never forgotten his designer roots, and the book is full of examples and chapters dedicated to such applications as gigabit transceivers, linear-feedback-shift registers, and integration of third-party cores. -- EDN, 5/21/2004

About the Author

Clive "Max" Maxfield received a BS in Control Engineering from Sheffield Polytechnic, England in 1980. He began his career as a mainframe CPU designer for International Computers Limited (ICL) in Manchester, England. Max now finds himself a member of the technical staff (MTS) at Intergraph Electronics, Huntsville, Alabama. Max is the author of dozens of articles and papers appearing in magazines and at technical conferences around the world. Max's main area of interest are currently focused in the analog, digital, and mixed-signal simulation of integrated circuits and multichip modules.

Excerpt. © Reprinted by permission. All rights reserved.

Answers all the engineer's pivotal questions about this exciting new technology- why are they better, what will they cost, and how do I use them?

Users Review

From reader reviews:

Jacob Keys:

Do you have favorite book? For those who have, what is your favorite's book? Book is very important thing for us to find out everything in the world. Each guide has different aim or goal; it means that e-book has different type. Some people feel enjoy to spend their time for you to read a book. They are really reading whatever they consider because their hobby is reading a book. Consider the person who don't like reading a book? Sometime, person feel need book when they found difficult problem or exercise. Well, probably you should have this The Design Warrior's Guide to FPGAs: Devices, Tools and Flows (Edn Series for Design Engineers).

Joyce Lynch:

A lot of people always spent all their free time to vacation as well as go to the outside with them household or their friend. Are you aware? Many a lot of people spent they will free time just watching TV, or perhaps playing video games all day long. If you wish to try to find a new activity this is look different you can read the book. It is really fun in your case. If you enjoy the book that you read you can spent all day long to reading a e-book. The book The Design Warrior's Guide to FPGAs: Devices, Tools and Flows (Edn Series for Design Engineers) it doesn't matter what good to read. There are a lot of individuals who recommended this book. We were holding enjoying reading this book. In case you did not have enough space to bring this book you can buy the actual e-book. You can m0ore simply to read this book from your smart phone. The price is not too expensive but this book has high quality.

Julie Nealy:

You are able to spend your free time to see this book this book. This The Design Warrior's Guide to FPGAs: Devices, Tools and Flows (Edn Series for Design Engineers) is simple to bring you can read it in the area, in the beach, train and also soon. If you did not have got much space to bring the particular printed book, you can buy typically the e-book. It is make you simpler to read it. You can save typically the book in your smart phone. Consequently there are a lot of benefits that you will get when you buy this book.

Robert Williams:

As a student exactly feel bored to be able to reading. If their teacher asked them to go to the library or even make summary for some e-book, they are complained. Just tiny students that has reading's heart or real their interest. They just do what the instructor want, like asked to go to the library. They go to presently there but nothing reading really. Any students feel that reading is not important, boring along with can't see colorful pictures on there. Yeah, it is being complicated. Book is very important in your case. As we know that on this age, many ways to get whatever we want. Likewise word says, many ways to reach Chinese's country. So , this The Design Warrior's Guide to FPGAs: Devices, Tools and Flows (Edn Series for Design Engineers) can make you feel more interested to read.

**Download and Read Online The Design Warrior's Guide to FPGAs:
Devices, Tools and Flows (Edn Series for Design Engineers) By
Clive Maxfield #G8QBHAXECNY**

Read The Design Warrior's Guide to FPGAs: Devices, Tools and Flows (Edn Series for Design Engineers) By Clive Maxfield for online ebook

The Design Warrior's Guide to FPGAs: Devices, Tools and Flows (Edn Series for Design Engineers) By Clive Maxfield 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 The Design Warrior's Guide to FPGAs: Devices, Tools and Flows (Edn Series for Design Engineers) By Clive Maxfield books to read online.

Online The Design Warrior's Guide to FPGAs: Devices, Tools and Flows (Edn Series for Design Engineers) By Clive Maxfield ebook PDF download

The Design Warrior's Guide to FPGAs: Devices, Tools and Flows (Edn Series for Design Engineers) By Clive Maxfield Doc

The Design Warrior's Guide to FPGAs: Devices, Tools and Flows (Edn Series for Design Engineers) By Clive Maxfield Mobipocket

The Design Warrior's Guide to FPGAs: Devices, Tools and Flows (Edn Series for Design Engineers) By Clive Maxfield EPub