Smart Card Handbook

By Wolfgang Rankl, Wolfgang Effing

Smart Card Handbook By Wolfgang Rankl, Wolfgang Effing

The most comprehensive book on state-of-the-art smart card technology available

Updated with new international standards and specifications, this essential fourth edition now covers all aspects of smart card in a completely revised structure. Its enlarged coverage now includes smart cards for passports and ID cards, health care cards, smart cards for public transport, and Java Card 3.0.

New sub-chapters cover near field communication (NFC), single wire protocol (SWP), and multi megabyte smart cards (microcontroller with NAND-Flash). There are also extensive revisions to chapters on smart card production, the security of smart cards (including coverage of new attacks and protection methods), and contactless card data transmission (ISO/IEC 10536, ISO/IEC 14443, ISO/IEC 15693).

This edition also features:

- additional views to the future development of smart cards, such as USB, MMU, SWP, HCI, Flash memory and their usage;
- new internet technologies for smart cards; smart card web server, HTTP-Protocol, TCP/IP, SSL/TSL;
- integration of the new flash-based microcontrollers for smart cards (until now the usual ROM-based microcontrollers), and;
- a completely revised glossary with explanations of all important smart card subjects (600 glossary terms).

Smart Card Handbook is firmly established as the definitive reference to every aspect of smart card technology, proving an invaluable resource for security systems development engineers. Professionals and microchip designers working in the smart card industry will continue to benefit from this essential guide. This book is also ideal for newcomers to the field.

The Fraunhofer Smart Card Award was presented to the authors for the *Smart Card Handbook,* Third Edition in 2008.

Smart Card Handbook

By Wolfgang Rankl, Wolfgang Effing

Smart Card Handbook By Wolfgang Rankl, Wolfgang Effing

The most comprehensive book on state-of-the-art smart card technology available

Updated with new international standards and specifications, this essential fourth edition now covers all aspects of smart card in a completely revised structure. Its enlarged coverage now includes smart cards for passports and ID cards, health care cards, smart cards for public transport, and Java Card 3.0.

New sub-chapters cover near field communication (NFC), single wire protocol (SWP), and multi megabyte smart cards (microcontroller with NAND-Flash). There are also extensive revisions to chapters on smart card production, the security of smart cards (including coverage of new attacks and protection methods), and contactless card data transmission (ISO/IEC 10536, ISO/IEC 14443, ISO/IEC 15693).

This edition also features:

- additional views to the future development of smart cards, such as USB, MMU, SWP, HCI, Flash memory and their usage;
- new internet technologies for smart cards; smart card web server, HTTP-Protocol, TCP/IP, SSL/TSL;
- integration of the new flash-based microcontrollers for smart cards (until now the usual ROM-based microcontrollers), and;
- a completely revised glossary with explanations of all important smart card subjects (600 glossary terms).

Smart Card Handbook is firmly established as the definitive reference to every aspect of smart card technology, proving an invaluable resource for security systems development engineers. Professionals and microchip designers working in the smart card industry will continue to benefit from this essential guide. This book is also ideal for newcomers to the field.

The Fraunhofer Smart Card Award was presented to the authors for the *Smart Card Handbook,* Third Edition in 2008.

Smart Card Handbook By Wolfgang Rankl, Wolfgang Effing Bibliography

- Sales Rank: #1413622 in eBooks
- Published on: 2011-06-20
- Released on: 2011-06-20
- Format: Kindle eBook

Editorial Review

Review
"...all smart card engineers should have access to this book...good value for money...factual and clear..." (CVu, The Journal of the ACCU, June 2004)

Language Notes
Text: English (translation)
Original Language: German

From the Publisher
This timely handbook presents a state-of-the-art overview of the technology from fundamental information processing through design, manufacture and operation of smart card schemes. Aiming to enable the reader to design smart-card based systems, coverage spans architecture and operating systems, data transmission to and from the smart card, the command set, the implementation of security mechanisms and the function of smart card terminals. The author also considers the actual status of the appropriate European (CEN) and International (ISO) standards.

Users Review

From reader reviews:

Ruth Irizarry:

Hey guys, do you wishes to finds a new book to read? May be the book with the title Smart Card Handbook suitable to you? The book was written by well known writer in this era. Often the book untitled Smart Card Handbookis the one of several books in which everyone read now. This particular book was inspired many people in the world. When you read this guide you will enter the new age that you ever know previous to. The author explained their plan in the simple way, so all of people can easily to recognise the core of this reserve. This book will give you a lots of information about this world now. To help you to see the represented of the world on this book.

Erna Taylor:

Do you have something that you enjoy such as book? The guide lovers usually prefer to decide on book like comic, quick story and the biggest an example may be novel. Now, why not seeking Smart Card Handbook that give your satisfaction preference will be satisfied by reading this book. Reading behavior all over the world can be said as the method for people to know world considerably better then how they react towards the world. It can't be claimed constantly that reading behavior only for the geeky man or woman but for all of you who wants to always be success person. So , for all you who want to start studying as your good habit, you are able to pick Smart Card Handbook become your current starter.

Mary Killgore:

Do you one of the book lovers? If so, do you ever feeling doubt while you are in the book store? Make an effort to pick one book that you find out the inside because don't determine book by its deal with may doesn't work here is difficult job because you are afraid that the inside maybe not as fantastic as in the outside seem likes. Maybe you answer may be Smart Card Handbook why because the fantastic cover that make you consider in regards to the content will not disappoint you actually. The inside or content is definitely fantastic as the outside or cover. Your reading 6th sense will directly show you to pick up this book.

Paula Royce:

Publication is one of source of expertise. We can add our know-how from it. Not only for students but native or citizen will need book to know the update information of year to be able to year. As we know those ebooks have many advantages. Beside all of us add our knowledge, could also bring us to around the world. By book Smart Card Handbook we can acquire more advantage. Don't someone to be creative people? For being creative person must love to read a book. Simply choose the best book that appropriate with your aim. Don't possibly be doubt to change your life with that book Smart Card Handbook. You can more desirable than now.

Download and Read Online Smart Card Handbook By Wolfgang Rankl, Wolfgang Effing #GRQJD3UAV70

Read Smart Card Handbook By Wolfgang Rankl, Wolfgang Effing for online ebook

Smart Card Handbook By Wolfgang Rankl, Wolfgang Effing 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 Smart Card Handbook By Wolfgang Rankl, Wolfgang Effing books to read online.

Online Smart Card Handbook By Wolfgang Rankl, Wolfgang Effing ebook PDF download

Smart Card Handbook By Wolfgang Rankl, Wolfgang Effing Doc

Smart Card Handbook By Wolfgang Rankl, Wolfgang Effing Mobipocket

Smart Card Handbook By Wolfgang Rankl, Wolfgang Effing EPub

GRQJD3UAV70: Smart Card Handbook By Wolfgang Rankl, Wolfgang Effing