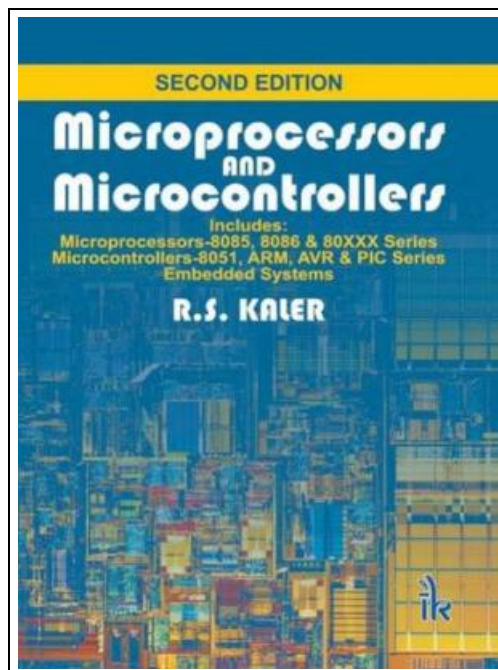# Microprocessors and Microcontrollers (Second Edition)

Filesize: 2.75 MB

Reviews

A fresh e book with a new viewpoint. It is among the most awesome ebook we have read through. Once you begin to read the book, it is extremely difficult to leave it before concluding.
(Prof. Christelle Stark III)

MICROPROCESSORS AND MICROCONTROLLERS (SECOND EDITION)

DOWNLOAD PDF

I.K. International Publishing House Pvt. Ltd, 2014. Softcover. Book Condition: New. 2nd edition. 18 x 24 cm. It is a complete textbook for anyone interested in all aspects of the microprocessors and microcontrollers family. This book is based upon Microprocessor 8085, 8086 and Microcontroller 8051. All other related microprocessors and microcontrollers like 80186, 80286, 80386, Pentium-4, ARM and PIC are also discussed. All chapters are described with fundamental objectives. A review of important terms and concepts is also given at the end of each chapter that reinforces the idea and material presented. Each chapter also has questions and problems. Broadly the book deals with: ? Evolution of microprocessor, digital concepts, number systems and their conversion, logic gates and combinational logic and circuits, complements, multiplexers-demultiplexers, Flip-Flops, counters, registers, analog/digital conversion counters, registers, analog/digital conversion ? Microprocessor 8085 and 8086 architecture, pin configuration, instructions set, stack and subroutines, addressing modes, interrupts, machine cycles and bus timings, control signals, peripheral I/O instructions, memory segmentation, ?ag register, minimum mode 8086 system and timings, assembler directives and operators ? Interfacing devices, data transfer schemes, interfacing and I/O devices, programmable peripheral interface (PPI), programmable keyboard/display interface (Intel 8279) centronix parallel communication, RS-232C, UART, programmable interval timer 8253, 8254, 8257 and 8259 ? Microprocessor applications, seven-segment LED display, microprocessor-based traf?c control, data acquisition system, analog to digital (A/D) converter, traf?c signal controller, digital to analog converter ? Microprocessor 80XXX architecture, pin configuration, instructions set, addressing modes, interrupts, multitasking and comparison with different microprocessors ? Microcontroller 8051, MCS-51 family overview, architecture, basic registers, counters and timers, timer counter interrupts, serial data input/output, addressing modes, push and pop opcodes, instructions set, arithmetic operations, programming and testing the design, real-time operatingsystems (RTOS) ? ARM, AVR and PIC microcontrollers, architecture, programming model, registers and ?ags, exception and interrupt modes, instructions set,...

Read Microprocessors and Microcontrollers (Second Edition) Online
Download PDF Microprocessors and Microcontrollers (Second Edition)

Relevant Kindle Books

Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 2: I am Kipper (Hardback)

Oxford University Press, United Kingdom, 2011. Hardback. Book Condition: New. 172 x 144 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK s best-selling home reading series. It...

[Download ePub »](#)

Because It Is Bitter, and Because It Is My Heart (Plume)

Plume. PAPERBACK. Book Condition: New. 0452265819 12+ Year Old paperback book-Never Read-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship FAST with...

[Download ePub »](#)

Ready, Set, Preschool! : Stories, Poems and Picture Games with an Educational Guide for Parents

Book Condition: Brand New. Book Condition: Brand New.

[Download ePub »](#)

Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually...

[Download ePub »](#)

Dom's Dragon - Read it Yourself with Ladybird: Level 2

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, Dom's Dragon - Read it Yourself with Ladybird: Level 2, Mandy Ross, One day, Dom finds a little red egg and soon he is the owner...

[Download ePub »](#)