

Pic Technical Reference Guide

This authoritative, critically acclaimed book--updated to include the new IBM PS/2 line--is a complete reference to the hardware, system software (including OS/2), the ROM BIOS services, and the differences among the IBM family of microcomputers. A must-have for programmers and power users.

This new edition has been fully revised and updated to include extensive information on the ARM Cortex-M4 processor, providing a complete up-to-date guide to both Cortex-M3 and Cortex-M4 processors, and which enables migration from various processor architectures to the exciting world of the Cortex-M3 and M4. This book presents the background of the ARM architecture and outlines the features of the processors such as the instruction set, interrupt-handling and also demonstrates how to program and utilize the advanced features available such as the Memory Protection Unit (MPU). Chapters on getting started with IAR, Keil, gcc and CoCoX CoIDE tools help beginners develop program codes. Coverage also includes the important areas of software development such as using the low power features, handling information input/output, mixed language projects with assembly and C, and other advanced topics. Two new chapters on DSP features and CMSIS-DSP software libraries, covering DSP fundamentals and how to write DSP software for the Cortex-M4 processor, including examples of using the CMSIS-DSP library, as well as useful information about the DSP capability of the Cortex-M4 processor A new chapter on the Cortex-M4 floating point unit and how to use it A new chapter on using embedded OS (based on CMSIS-RTOS), as well as details of processor features to support OS operations Various debugging techniques as well as a troubleshooting guide in the appendix topics on software porting from other architectures A full range of easy-to-understand examples, diagrams and quick reference appendices InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

An updated edition of the classic guide to technical communication Consider that 20 to 50 percent of a technology professional's time is spent communicating with others. Whether writing a memo, preparing a set of procedures, or making an oral presentation, effective communication is vital to your professional success. This anthology delivers concrete advice from the foremost experts on how to communicate more effectively in the workplace. The revised and expanded second edition of this popular book completely updates the original, providing authoritative guidance on communicating via modern technology in the contemporary work environment. Two new sections on global communication and the Internet address communicating effectively in the context of increased e-mail and web usage. As in the original, David Beer's Second Edition discusses a variety of approaches, such as: * Writing technical documents that are clear and effective * Giving oral presentations more confidently * Using graphics and other visual aids judiciously * Holding productive meetings * Becoming an effective listener The new edition also includes updated articles on working with others to get results and on giving directions that work. Each article is aimed specifically at the needs of engineers and others in the technology professions, and is written by a practicing engineer or a technical communicator. Technical engineers, IEEE society members, and technical writing teachers will find this updated edition of David Beer's classic Writing and Speaking in the Technology Professions an invaluable guide to successful communication.

Provides information on the tools and techniques to transform LaTeX sources into Web formats for electronic publication and to transform Web sources into LaTeX documents for optimal printing.

Detailed examples and case studies make this the ideal hands-on guide to implementing Juniper Networks systems. It contains something for everyone, and covers all the basics for beginners while challenging experience users with tested configuration examples throughout the book. Live Partition Mobility is the next step in the IBMs Power Systems™ virtualization continuum. It can be combined with other virtualization technologies, such as logical partitions, Live Workload Partitions, and the SAN Volume Controller, to provide a fully virtualized computing platform that offers the degree of system and infrastructure flexibility required by today's production data centers. Please note: The contents of this publication has been updated and migrated to the following publications. The material in this PDF should no longer be considered accurate. An introduction to PowerVM that includes basic installation and set up: IBM PowerVM Virtualization Introduction and Configuration A deep dive into how to manage PowerVM virtualization 24x7: IBM PowerVM Virtualization Managing and Monitoring The enhancements that were added in 2013, including a chapter on mobility: IBM PowerVM Enhancements What is new in 2013

A hands-on guide to choosing and using old and new technologies for joining plastics and elastomers. Includes detailed discussions of over 25 techniques used to join plastics to themselves and to other materials. Advantages and disadvantages of each technique along with detailed discussions of applications are presented. A second section is organized by material and provides details of using different processes with over 50 generic families of plastics and how different techniques and operating parameters affect weld strength and other criteria. This book is an excellent reference and an invaluable resource for novice and expert alike in determining the best joining technique for their application and providing guidance in how to design and prepare for production.

This book is a fully updated and revised compendium of PIC programming information. Comprehensive coverage of the PICMicros' hardware architecture and software schemes will complement the host of experiments and projects making this a true, "Learn as you go" tutorial. New sections on basic electronics and basic programming have been added for less sophisticated users along with 10 new projects and 20 new experiments. New pedagogical features have also been added such as "Programmers Tips" and "Hardware Fast FAQs". Key Features: * Printed Circuit Board for a PICMicro programmer included with the book! This programmer will have the capability to program all the PICMicros used by the application. * Twice as many projects including a PICMicro based Webserver * Twenty new "Experiments" to help the user better understand how the PICMicro works. * An introduction to Electronics and Programming in the Appendices along with engineering formulas and PICMicro web references. 1949-1953 contain the proceedings of the 1st-5th Institute for Annual Review of United Nations Affairs, New York University.

This hands-on book covers a series of exciting and fun projects with PIC microcontrollers. For example a silent alarm, a people sensor, a radar, a night buzzer, a VU meter, a RGB fader, a serial network, a poetry box and a sound super-compression. You can build over 50 projects for your own use. The clear explanations, schematics, and pictures of each project on a breadboard make this a fun activity. You can also use this book as a study guide. The technical background information in each project explains why the project is set up the way it is, including the use of datasheets. This way you'll learn a lot about the project and the microcontroller being used, and you can expand the project to suit your own need . . . making it ideal for use in schools and

colleges. This book can also be used as a reference guide. The explanation of the JAL programming language and all of the expansion libraries used is unique and found nowhere else. Using the index, you can easily locate projects that serve as examples for the main commands. But even after you have built all the projects it will still be a valuable reference guide to keep next to your PC. Four microcontrollers are discussed, the 12f675, 16f628, 16f876A, and 16f877, as well as how to migrate programs from one microcontroller to another. All software used in this book can be downloaded for free, including all of the source code, a program editor, and the JAL open source programming language. This powerful and yet easy to learn language is used by hobbyists and professionals world-wide. A hardware kit is also available for purchase separately that contains all the parts to get you started, including a few microcontrollers. There is even a free support website with additional information, FAQ, and links.

Includes subject area sections that describe all pertinent census data products available, i.e. "Business--trade and services", "Geography", "Transportation," etc.

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