Pei An

PC
Interfacing

USING CENTRONIC, RS232 AND GAME PORTS

Pc Interfacing Pc Interfacing

Graham Dixey

Pc Interfacing Pc Interfacing:

PC Interfacing, Communications and Windows Programming William Buchanan,1998 Hardware Interfaces RS 232 Parallel Port Windows NT 95 Win32 Graphics Networking Java   *PC Interfacing and Data Acquisition* Kevin James,2000-07-17 A practical guide to programming for data acquisition and measurement must have info in just the right amount of depth for engineers who are not programming specialists This book offers a complete guide to the programming and interfacing techniques involved in data collection and the subsequent measurement and control systems using an IBM compatible PC It is an essential guide for electronic engineers and technicians involved in measurement and instrumentation DA C programmers and students aiming to gain a working knowledge of the industrial applications of computer interfacing A basic working knowledge of programming in a high level language is assumed but analytical mathematics is kept to a minimum Sample listings are given in C and can be downloaded from the Newnes website Practical guidance on PC based acquisition Written for electronic engineers and software engineers in industry not academics or computer scientists A textbook with strong foundations in industry   *Applied PC Interfacing, Graphics and Interrupts* William Buchanan,1996 This book is about how peripheral devices that is printers keyboards monitors mice modems etc communicate with PC the programs needed to make this happen and how each device affects the overall systems performance Using a programming independent approach it develops an applications led approach to computer interfacing   **Computer Interfacing** Graham Dixey,2014-06-28 This book explains how computers interact with the world around them and therefore how to make them a useful tool Topics covered include descriptions of all the components that make up a computer principles of data exchange interaction with peripherals serial communication input devices recording methods computer controlled motors and printers In an informative and straightforward manner Graham Dixey describes how to turn what might seem an incomprehensible black box PC into a powerful and enjoyable tool that can help you in all areas of your work and leisure With plenty of handy tips and clear illustrations this book can improve your computer system and even shows new uses for old kit such as motor control   **Easy PC Interfacing** R. A. Penfold,2002   **PC Interfacing for Data Acquisition and Process Control** Sanjay Gupta,1994-01-01   **PC Interfaces Under Windows** Burkhard Kainka,Hans-Joachim Berndt,2001 While it was relatively easy to directly access PC interfaces using a DOS computer under Windows things are not all that simple This book shows you how it can be done The construction and operation of programs and circuits for the following applications are extensively described control circuits measurement equipment analogue digital converters EPROM programmer storage oscilloscope l2C applications making measurements with the Sound card making measurements with a video capture card asynchronous serial data transmission and many more In addition to exact practically oriented descriptions of the traditional PC interfaces what can they do and how they are addressed via software the authors describe the DIY construction and programming of a number of highly interesting circuits all of which can be connected to the PC ports It is not necessary to

open up the PC for any of these projects The applications described in this book are based on 32 bit operating systems Windows 95 98 and later The preferred programming languages are Visual Basic and Delphi The CD ROM contains all the example programs in VB5 Delphi 3 or 4 with all source files in executable forms PORT DLL is also included In addition there are two complete application programs COMPUNI EXE a universal interface application program and SSCAN EXE a complete oscilloscope application for the sound card **PC Interfacing** Pei An,1998-01 The main links with your PC and the outside world are the centronic port used for connecting the printer the RS232 port used for the mouse and the games port for a joystick This book explores how these input output I O ports can be put to use through a range of other interfacing applications This is especially useful for laptop and palmtop PCs which cannot be fitted with internal I O cards A novel approach is taken by this book combining the hardware through which the ports can be explored and the software programming needed to carry out a range of experiments Circuits are provided for simple testing tools and three experimental boards which can also be purchased ready made Ready to run TurboPascal programs are available on the Newnes web site A huge range of applications are considered turning the PC into a flexible core of a variety of systems External devices considered include opto isolator drivers power drivers LED drivers relay drivers special driver ICs and methods of driving opto isolated zero crossing solid state relays stepper motors sound generating devices and displays Ways of gathering information from the outside world are given as well as connection to digital devices remote control and digital communication As well as teaching in this field Pei An has written numerous articles for magazines such as Electronics World and Electronics Today International A hands on guide to exploring your PC s input output ports Covers the hardware and software aspects of interfacing An exciting project based approach to an important subject area **PC Interfacing Using USB** Peter Bates,2003 **PC Interfacing Using Centronic, RS232 and Game Ports** Mike James,Pei An,1997 *PC Interfacing for Data Acquisition and Process Control* Sanjay Gupta,Jai P. Gupta,1994 Computer Peripherals and Interfacing Jyoti Snehi,2006 **PC Interfacing Pocket Reference** Myke Predko,1999-09-21 PC interfacing answers in 60 seconds or less The ultimate at a glance data finder for PC hardware and software engineers PC Interfacing Pocket Reference by Myke Predko packs everything skilled developers need traditional ASCII tables memory and register addresses and instruction sets plus BIOS MS DOS DPMI and Windows APIs You also get reference information for the leading PC programming languages PC assembly BASIC C and C as well as time saving code snippets to use for developing your own applications What s more you ll find Sample Windows device drivers VxDs WDMs and DLLs Hardware addresses and device block diagrams with connector pinouts ISA PCI and USB bus information along with Plug and Play and Interrupt and DMA interfacing Conformance to Intel Microsoft PC 9x baseline specification so you know information is current **PC-interface Administration** ,1992 This manual explains how to install and administer the LAN and RS 232 versions of the PC Interface for DOS software on a host computer running a UNIX System V operation system with TC IPC networking services It covers

day to day operation and maintenance of the PC Interface software **Computer Interfacing** George Arthur Smith,2000 This book provides a practical way to discover how to use a computer to control external devices via the Com Port the Parallel Printer Port or the Parallel Programmable Interface Port It also introduces students to using a High Level language to read and control these devices via a series of programming exercises using C and unlike many other texts introduces hardware and software side by side The book aims to facilitate independent learning with numerous practical experiments and programming exercises Therefore professionals and enthusiasts will also find this text an ideal way of getting up and running in this important area of microelectronics Computer Interfacing is designed for a student audience ranging from BTEC National Electronics to first year degree modules In particular the content has been structured to follow the Microprocessor Systems set unit in the new BTEC Higher National scheme George Smith brings to bear 16 years of lecturing experience in this highly practical book Essential information required to gain qualifications Syllabus match for new HN unit Accessible and easy to follow for students of all abilities Computer Interfacing William H. Rigby,Terry Dalby,1995 Written for courses in Microcomputer Computer Applications Computer Interfacing or Peripherals The text applies personal computers to applications in electronics Book can be widely used in the lab This combination text laboratory manual explores the use of personal computers e g interfacing digital I O analog I O data acquisition etc to control external electrical devices such as pumps fans and other devices It describes the use of standard off the shelf interfacing boards the application of common personal computers and specific practical interfacing and control applications **COMPUTER INTERFACING AND AUTOMATION** DR. J. ANTONY,2020 *PC Ph.D.* Michael Predko,2000 CD ROM contains Source code use in applications presented in text **Handbook of Software and Hardware Interfacing for IBM PCs** Jeffrey P. Royer,1987 PC Interfacing for Laboratory Data & Process Control Sanjay Gupta,Jai P. Gupta,1989

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