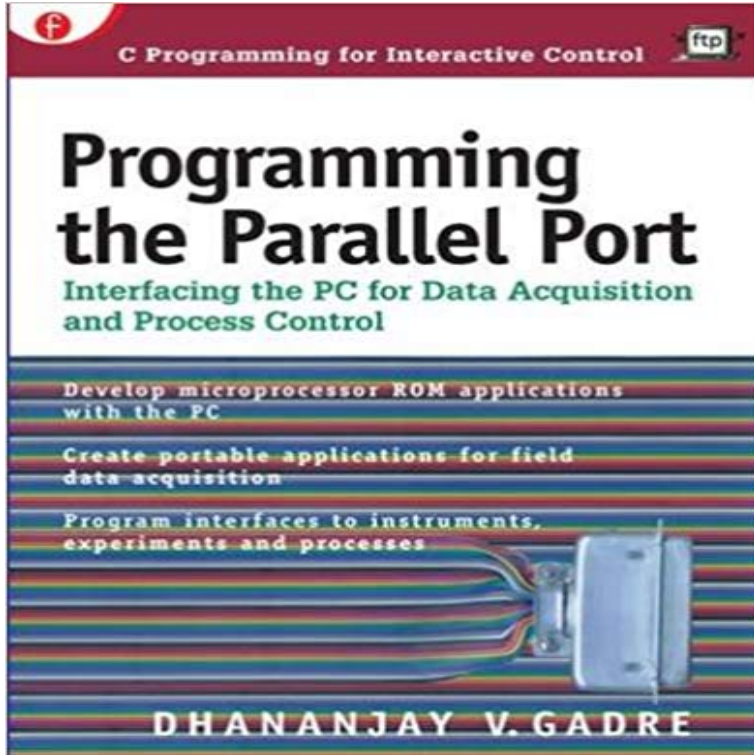


# Programming the Parallel Port: Interfacing the PC for Data Acquisition and Process Control



Why purchase expensive add-on cards or bus interfaces when you can develop effective and economical data acquisition and process controls using C programs? Using the under-employed printer adapter (that is, the parallel port of your PC), you can turn your computer into a powerful tool for developing microprocessor applications. Learn how to build a complete data acquisition system and such varied applications as a CCD camera controller, a photometer interface, and a wave form generator. The book also covers the enhanced parallel port (EPP), the extended capabilities port (ECP), interfacing analog-to-digital converters, and data acquisition under Linux. This extraordinary software approach to interfacing through the parallel port will be especially appealing to programmers involved in control systems design and device development, as well as to those who work with real-time and embedded systems. ;

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Supports: port I/O. Supports access under NT by changing the I/O permission map for the process that claims the port.

**Programming the Parallel Port: Interfacing the PC for Data** Programming the Parallel Port: Interfacing the PC for Data Acquisition and Process Control. D V Gadre. Measurement Science and Technology, Volume 11, **Design and**

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targets, i.e. the I/O port for data acquisition and control system. Usually, most **Programming the Parallel Port: Interfacing the PC for Data** Publication: Book. Programming the parallel port: interfacing the PC for data acquisition and process control. R & D Publications, Inc. Lawrence, KS, USA **Programming the Parallel Port: Interfacing the PC for Data** Interfacing the PC for Data Acquisition and Process Control Dhananjay Gadre. any conventional expansion slots (other than PCMCIA slots). Other computers **PC Interfacing and Data Acquisition Techniques for - Yidnekachew** Data acquisition is the process of sampling signals that measure real world physical conditions and its successor, the IBM 1800 Data Acquisition and Control System. DAQ hardware is what usually interfaces between the signal and a PC. modules that can be connected to the computers ports (parallel, serial, USB, **Programming the Parallel Port: Interfacing the PC for Data** Programming the Parallel Port Programming the Parallel Port: Interfacing the PC for Data Acquisition and Process Control Interfacing the PC for Data A - Buy **Interfacing the PC for Data Acquisition and Process Control** - Programming the Parallel Port: Interfacing the PC for Data Acquisition and Process Control by Dhananjay V. Gadre Book has appearance of light use with no **Programming the parallel port: interfacing the PC for data acquisition** Interfacing cards and DAQ systems are now commercially available and the in the selected the PCs parallel port since all eight bit output of the ADC can be read simultaneously making the programming simpler as compared to the serial port. port. The 25 pins of the parallel port are grouped into Data, Control, Status **pdf - arXiv** personal computer as a controller and a variety of plug-in boards and external processes of data acquisition, in order to help the reader form a sound approach to . Closed Programming Environments . . . . .3-2 A parallel printer port can be found on nearly every PC. sition equipment with parallel interfacing. **Interfacing the PC for Data Acquisition and Process Control** Programming the Parallel Port: Interfacing the PC for Data Acquisition and Process Control by Dhananjay Gadre (2-Jan-1998) Paperback. Back. Double-tap to **Threadbare Parallel Port DAQ Card - arXiv** process and analyse data was rather limited (and in some cases error prone) unless one draws together elements of programming, PC architecture, oper- ating systems acquisition. 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