



PC Interfaces Under Windows: Measurement, Control and Regulation Under Windows

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- Publisher : Elektor International Media, 2001
- pages : 296 pages
- N° Class : 531/224

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; I2C 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).