



ARM Microcontroller Interfacing

By Smith, Warwick A.

Book Condition: New. Publisher/Verlag: Elektor-Verlag | Hardware and Software. Learn to interface hardware devices to arm microcontrollers and write software to control it | Learn to interface and program hardware devices in a wide range of useful applications, using ARM7 microcontrollers and the C programming language. Examples covered in full detail include a simple LED to a multi-megabyte SD card running the FAT file system. Features of this book: - Build prototype circuits on breadboard or Veroboard and interface to ARM microcontrollers. - A 32-bit ARM7 microcontroller is used in interfacing and software examples. - Interfacing principles apply to other ARM microcontrollers and other non-ARM microcontrollers as well. - Example programs are written in the C programming language. - Use only free or open source software. - Download and install all programming tools from the Internet. - Template project files are provided for easy project creation. Hardware: Interface to LEDs, transistors, optocouplers, relays, solenoids, switches, keypads, LCD displays, seven segment displays, DC motors, stepper motors, external analogue signals using the ADC, RS-232, RS-485, TWI, USB, SPI and SD memory cards. Software: Once hardware has been interfaced to a microcontroller, software must be written to control the hardware. You will learn...



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This book is definitely not straightforward to get started on studying but extremely exciting to read. It is really simplistic but shocks in the 50 percent of the ebook. Once you begin to read the book, it is extremely difficult to leave it before concluding.

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This publication is amazing. It is definitely basic but shocks in the fifty percent of your publication. You wont feel monotony at anytime of your own time (that's what catalogues are for concerning if you question me).

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