Título: C Programming For Embedded Microcontrollers

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Sinopsis

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The C Programming Language

Technology is constantly changing. New microcontrollers become available every year and old ones become redundant. The one thing that has stayed the same is the C programming language used to program these microcontrollers. If you would like to learn this standard language to program microcontrollers, then this book is for you!

ARM Microcontrollers

ARM microcontrollers are available from a large number of manufacturers. They are 32-bit microcontrollers and usually contain a decent amount of memory and a large number of on-chip peripherals. Although this book concentrates on ARM microcontrollers from Atmel, the C programming language applies equally to other manufacturer's ARMs as well as other microcontrollers.

Features of this book:

- Use only free or open source software.

- Learn how to download, set up and use free C programming tools.

- Start learning the C language to write simple PC programs before tackling embedded programming - no need to buy an embedded system right away!

- Start learning to program from the very first chapter with simple programs and slowly build from there.

- No programming experience is necessary!

- Learn by doing - type and run the example programs and exercises.

- Sample programs and exercises can be downloaded from the Internet.

- A fun way to learn the C programming language.

- Ideal for electronic hobbyists, students and engineers wanting to learn the C programming language in an embedded environment on ARM microcontrollers