

ADVANCED PIC MICROCONTROLLER PROJECTS IN C

From USB to RTOS with the PIC 18F Series

By

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Description

This book is ideal for the engineer, technician, hobbyist and student who have knowledge of the basic principles of PIC microcontrollers and want to develop more advanced applications using the 18F series. The architecture of the PIC 18FXXX series as well as typical oscillator, reset, memory, and input-output circuits is completely detailed. After giving an introduction to programming in C, the book describes the project development cycle in full, giving details of the process of editing, compilation, error handling, programming and the use of specific development tools. The bulk of the book

gives full details of tried and tested hands-on projects, such as the 12C BUS, USB BUS, CAN BUS, SPI BUS and real-time operating systems.

Audience

Embedded systems engineers working in industry, technicians, electronic hobbyists, undergraduate and graduate students developing embedded systems projects.

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