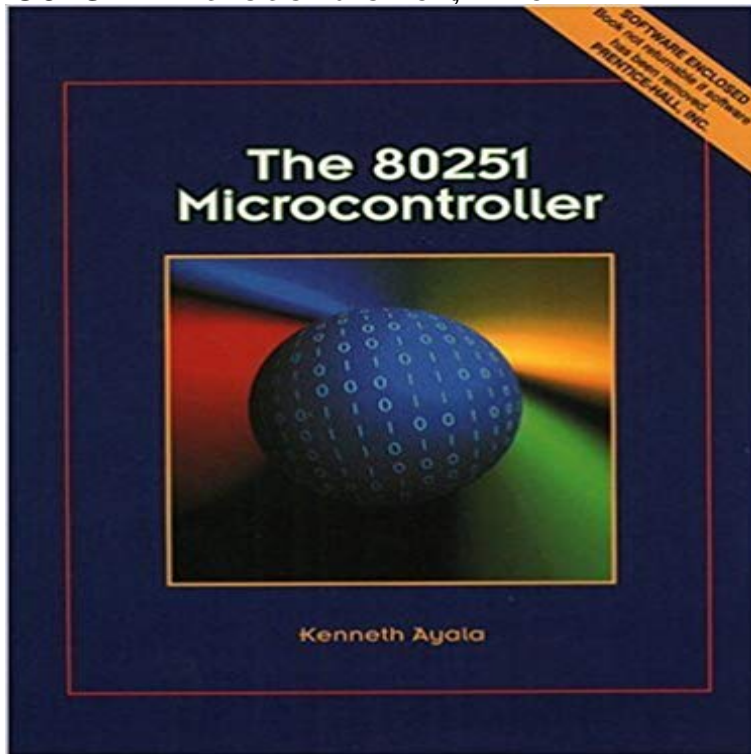


80251 Microcontroller, The



This book explores the 80251 microcontrolleran update of the industry standard 8051 featuring new components that enhance its programming in C. Despite the attractiveness of the C programming language, the author emphasizes assembly code programming as a foundational skill for embedded controller programmers and system designers. Coverage opens with a tutorial on fundamental computer operation and programming, waiting until late in the text to examine C programming concepts and examples. A wealth of applications are presented throughout, some involving I/O ports and timers; four exploring pulse generation and measurement; two A/D, D/A applications; three serial data applications; and two low-power applications. For engineering/engineering technology programmers and system designers.

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