

Microcontroller C Examples

Collection of C programming examples for both 8051 and STM32 platforms. Covers IO, interrupts, timers, and low-level driver coding for embedded targets.

- IO configuration and control (8051 / STM32)
- Using timers for periodic tasks
- Interrupt handling and service routines
- LED blinking with delay functions
- UART communication setup and testing
- GPIO port manipulation and toggling
- PWM signal generation
- Delay loops vs. hardware timers
- ADC interfacing basics
- Low-level register access in C

Pages: 28 File Size: 2.2 MB