

Download Stm8 Cpu Programming Manual

Based on the STM8 proprietary core, the STM8S series, 8-bit MCUs, benefits from ST's 130 nm technology and advanced core architecture performing up to 20 MIPS at 24 MHz. Embedded EEPROM, RC oscillators and a full set of standard peripherals provide a robust and reliable solution for designers. ST's ultra-low-power product lines support a wide number of applications where consumption is critical, such as in portable devices. The STM8L, based on the 8-bit STM8 core, benefits from our proprietary ultra-low-leakage process, shared with the STM32L family, and features an ultra-low power consumption of 0.30 μ A with the lowest power mode. Certified real-time operating system (RTOS) embOS according to IEC 61508 SIL 3 and IEC 62304 Class C. embOS-Safe comes with a certification kit containing all necessary documents, including the comprehensive embOS Safety manual. The ARM Cortex-R is a family of 32-bit RISC ARM processor cores licensed by Arm Holdings. The cores are optimized for hard real-time and safety-critical applications. Cores in this family implement the ARM Real-time (R) profile, which is one of three architecture profiles, the other two being the Application (A) profile implemented by the Cortex-A family and the Microcontroller (M) profile ...