

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. The STM8S003F3/K3 value line devices provide the following benefits: performance, robustness and reduced system cost. Device performance and robustness are ensured by true data EEPROM supporting up to 100000 write/erase cycles, advanced core and peripherals made in a state-of-the-art technology at 16 MHz clock frequency, robust I/Os, independent watchdogs with separate clock source, and a ... 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 ...