

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 STM8S001J3 8-bit microcontrollers offer 8 Kbytes of Flash program memory, plus integrated true data EEPROM. It is referred to as low-density device in the STM8S microcontroller family reference manual (RM0016). The ARM MPCore family of multicore processors support software written using either the asymmetric or symmetric multiprocessor programming paradigms. For AMP development, each central processing unit within the MPCore may be viewed as an independent processor and as such can follow traditional single processor development strategies. 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.