

Spoločnosť Fujitsu Semiconductor pridala do svojej ponuky mikrokontrolérov, ďalšiu rodinu - FM3.

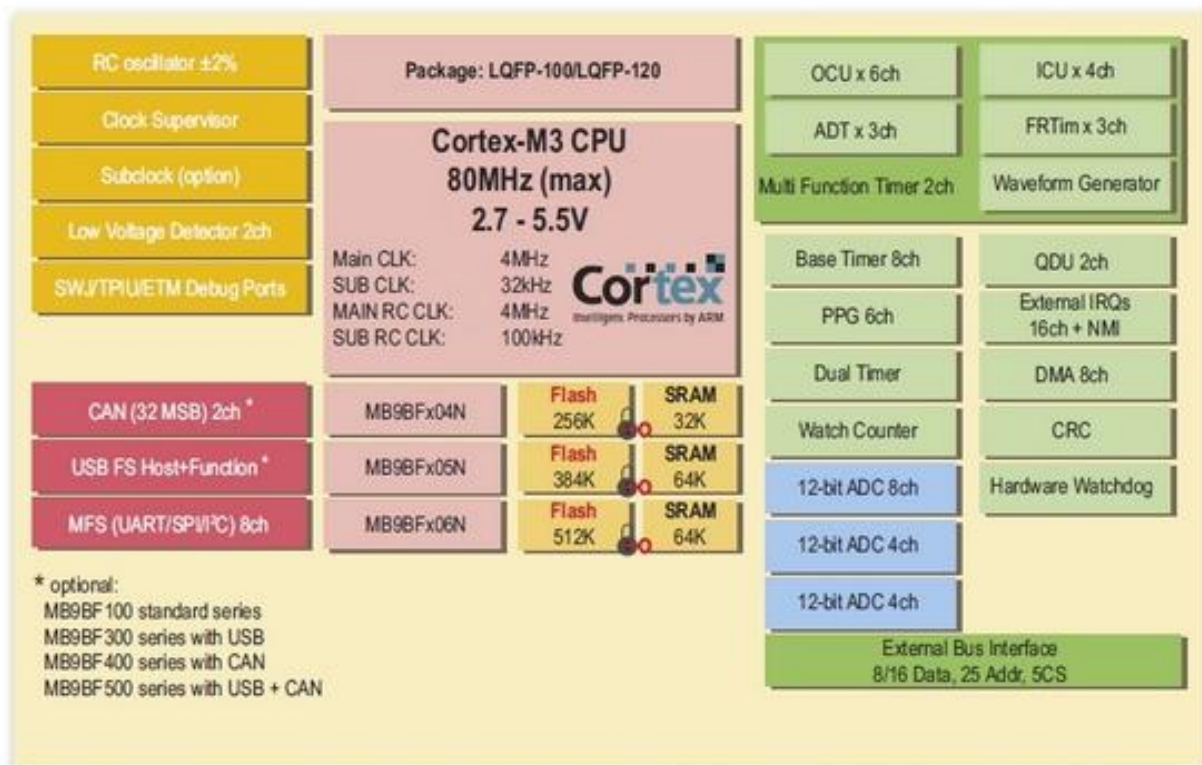
Konkrétne ide o 44 kusov MCU s jadrom ARM Cortex-M3.

Vlastnosti

- High Performance
 - High speed operating frequency: Up to 144MHz CPU clock
 - High speed flash: 0 wait states at 60MHz
 - Wide range of power supply voltages supported: 1.8 to 3.6V (low power products) and 2.7 to 5.5V (high performance products)
- High Quality Flash Memory
 - Memory densities up to 1MB flash / 128KB RAM
 - Highly reliable flash memory: 100,000 write/erase cycles, 20 years data retention
 - Flash security function
- Functional safety
 - Internal, trimmed RC oscillator
 - Clock supervisor
 - Two stage (interrupt and reset), programmable LVD (Low Voltage Detector)
 - CRC hardware module
 - MPU (Memory Protection Unit)
- Connectivity
 - Up to 2 channels CAN controller
 - Full Speed USB host & function
 - Ethernet MAC
- Advanced peripherals
 - Multi-function serial (UART, SIO, SPI and I2C)
 - 3 independent (synchronously triggerable) high-speed 12-bit A/D converter
 - Multi-function timer (for motor control)
 - Flexible quadrature decoder unit
 - Base timer (PWM, PWC, PPG and reload timer)
 - 8/16-bit external bus interface with NAND flash support
 - Sub-clock option
 - Very flexible resource relocation
- Debug interface

- JTAG and SWJ debug interfaces
- Embedded Trace Macrocell

Blokové zapojenie



Block diagram of the MB9BF100/MB9BF300/MB9BF400/MB9BF500 series

Odkazy

[FM3 Homepage](#)

Distribúcia

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