

32-bit MCUs

Kinetis K20 Family

Low-power MCUs with USB On-The-Go

Target Applications

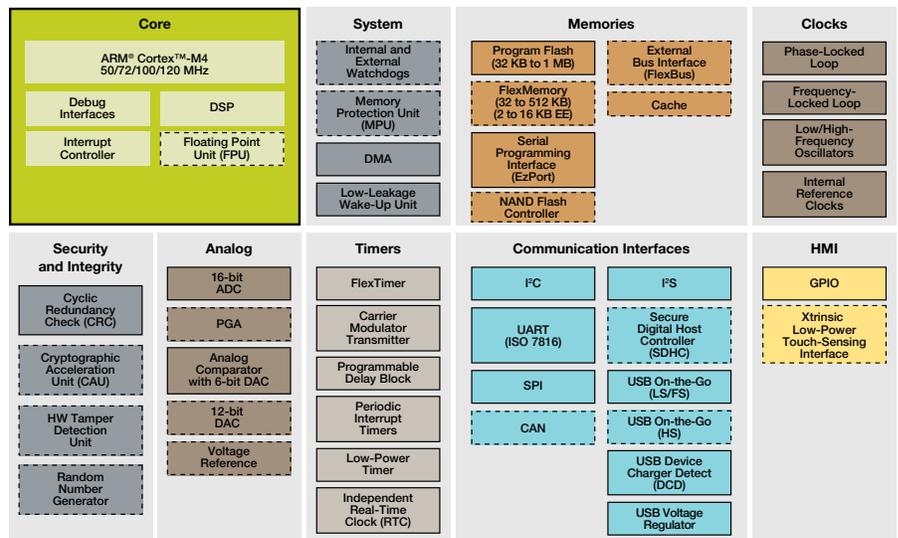
- Barcode scanners
- Portable media players
- Printers
- Programmable logic controllers

Overview

The Kinetis MCU portfolio consists of multiple pin-, peripheral- and software-compatible MCU families based on the ARM® Cortex™-M4 core. Families are built from innovative 90 nm thin-film storage (TFS) flash technology with unique FlexMemory (EEPROM) capability, and offer industry-leading low-power and mixed-signal analog integration.

The K20 MCU family is pin, peripheral and software compatible the K10 MCU family and adds Full- and High-speed USB 2.0 On-The-Go with device charger detect capability. Devices start from 32 KB of flash in 5 x 5 mm 32 QFN packages extending up to 1 MB in a 144 MAPBGA package with a rich suite of analog, communication, timing and control peripherals. High memory density K20 family devices include a single precision floating point unit and NAND flash controller.

Kinetis K20 Family



Standard Feature Optional Feature



