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crafting of intelligent systems

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Embedded Linux Development

Embedded Linux application development is very easy if you have all necessary tools. If you want to use open source tools then this situation is if not easy to find all tools at single platform (if you are not using paid software). In this article I tried to collect information of all tools on a single platform and giving information to you.

Tools used in Embedded Linux development can be categorized into following 4 categories

» Linux Kernel with support of processor and board
» Building tools
» IDE
» Testing Tool
» Development Board
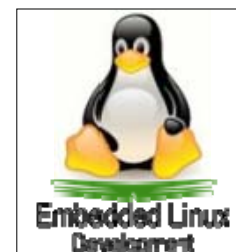
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## Kinetis Processor Family from Freescale (K10 Series)

Freescale is starting a new family named as Kinetis. This family is designed around ARM Cortex M4 core. Freescale has revealed this family with K10, K20, K30, K40 and K60 Members.

K10 is entry point in this family. K10 is mixed signal processor aimed for low power and high performance controlling applications. With DSP core present in Kinetis, makes it suitable in Motor control application also. Because this is mixed signal processor and has FlexMemory also.

FlexMemory is a new trend in embedded system domain. These memory can be configured as either as EEPROM or Flash Memory.

Below are the features of K10 Series of Kinetis family of processors

To access mCARD of K10 please follow following link
http://www.embeddedcraft.org/mcards/kinetisk10.html

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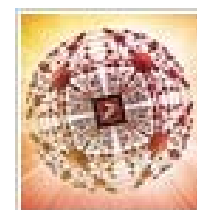
Speccy | Get System Information on Single Click
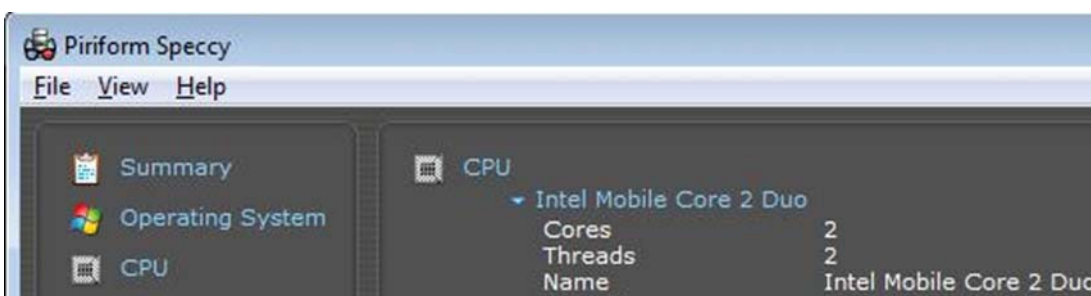
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> **»** Hard drive size and speed

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