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Linux on embedded systems - Wikipedia

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Embedded system - Wikipedia
Definition: A system designed with the embedding of hardware and software together for a specific function with a larger area is embedded system design. In embedded system design, a microcontroller plays a vital role. Micro-controller is based on Harvard architecture, it is an important component of an embedded system.

Embedded System Design :Types, Design Process, and Its ...
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Yanbing Li, Jörg Henkel, in Readings in Hardware/Software Co-Design, 2002. Abstract. Embedded system design is one of the most challenging tasks in VLSI CAD because of the vast amount of system parameters to fix and the great variety of constraints to meet. In this paper we focus on the constraint of low energy dissipation, an indispensable peculiarity of embedded mobile computing systems.

Embedded System Design - an overview ¦ ScienceDirect Topics

A text editor is the first tool you need to begin creating an embedded system. It is used to write source code in programming languages C and C++ and save this code as a text file. A good example of a text editor is Geany. This is a small and lightweight environment that uses the GTK+ toolkit.

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Linux, natively, executes with protected memory space: processes are isolated from other processes through the

kernel and underlying hardware memory management unit (MMU). Processes are also isolated from the underlying hardware-application code can't directly read and write peripheral registers.

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