



Features

Processor

- 32-bit RISC architecture
- Digital signal processor (DSP) extensions

External Memory Support

- SDRAM
- Serial Flash
- NAND Flash
- Removable Flash Memory Cards (MS, SM, ST, MMC, xD, CF)

Connectivity/Interfaces

- USB 2.0 High Speed Device
- USB 2.0 High Speed Hosts (2)
- UART

Image Processor

- JPEG Codec
- Hardware Rotate/Scale
- Color Space/Image Filter/Error Diffusion

Display Support

- Flexible Thin Film Transistor (TFT) LCD controller (Digital RGB)
- CCIR656

- Programmable LCD timing controller
- QVGA / WQVGA / VGA support

Digital Camera Support

- Mass storage class
- Picture transfer protocol (PTP)

Timers

- Real-time clock

A/D and PWM Control

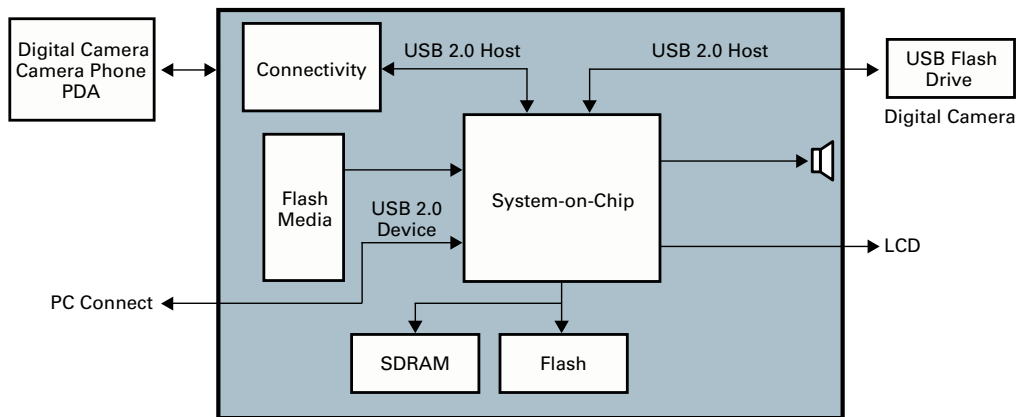
- Four pulse width modulators (PWMs) with firmware control
- PWM backlight control circuitry

Package

- 200pin μ BGA (Ball Grid Array)

Development Environment

- C/C++ compiler/Assembler/Linker
- JTAG In-Circuit Emulator
- PC Command Line Debugger/Profiler
- Conexant's Product Line Development Environment



STDC7100 Block Diagram

Conexant Product Portfolio

Conexant's comprehensive product portfolio includes solutions for imaging, audio, and video applications, and analog modems that enable cost-effective Internet access. The company's broadband access products include end-to-end solutions for xDSL networks, and PON solutions for fiber optic applications.

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