



Features

Printer Support

- Direct inkjet printer connections support the maximum printhead printing speeds
- Photographic quality printing
- PC and network printing supported

Scanner Support

- Flatbed and automatic direction finder (ADF) scanners supported, including timing and motor control
- Integrated charge-coupled device/contact image sensor (CCD/CIS) analog front end (AFE) enables direct input of analog RGB signals
- Scan pre-processing supports gamma, shading, white-level and black-level corrections
- Network scanning, scan-to-flash drives and scan-to-camera cards supported

Copier Support

- Stand-alone color copying with zooming and enlargements
- High-performance ADF color copying

Fax Support

- V.34 color and mono faxing supported in conjunction with an external fax modem chip
- Complete firmware protocol stack for leading V.34 and V.17 modems
- Optional embedded fax for lowest cost V.17 solution

External Memory Support

- DDR memory supported: 400 MBps bandwidth supported
- Serial and NAND flash/ROM supported

Connectivity/Interfaces

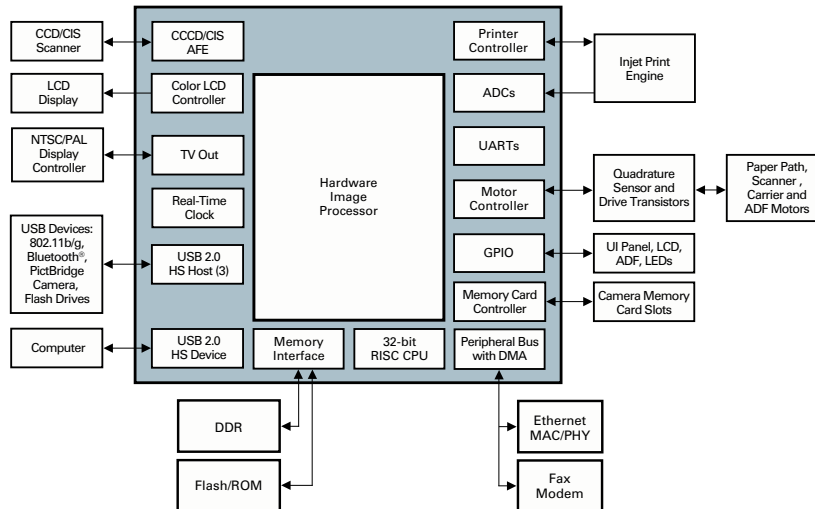
- USB 2.0 high-speed device port and multiple USB 2.0 high-speed host ports
 - Supports PictBridge cameras and flash drives
 - Supports Wi-Fi 802.11b/g, Bluetooth and 10/100 Ethernet
- Camera card interface controllers support the major media card formats
- Peripheral bus with DMA support
- UARTs/USARTs
- Thin Film Transistor (TFT) graphical LCD controller

Processor/CPU

- High-performance 32-bit RISC microprocessor

Development Environment

- Conexant's SigmaTel Integrated Development Environment (IDE) for AIOs
- C/C++ Compiler/Assembler/Linker
- PC Command Line Debugger/Profiler
- JTAG Emulator/ICE and Debugger



STDC2150 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.

© 2008 Conexant Systems, Inc. All Rights Reserved. Conexant and the Conexant logo are registered trademarks of Conexant Systems, Inc. All other trademarks are owned by their respective owners. Although Conexant strives for accuracy in all its publications, this material may contain errors or omissions and is subject to change without notice. **THIS MATERIAL IS PROVIDED AS IS AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT.** Conexant shall not be liable for any special, indirect, incidental or consequential damages as a result of its use.

www.conexant.com
General Information:
 U.S. and Canada: (888) 855-4562
 International: 1+ (949) 483-3000
 Headquarters
 4000 MacArthur Blvd.
 Newport Beach, CA 92660
 Doc# PBR-201769

