



CX95410 Block Diagram

Product Features

32-bit RISC CPU and BUS interface

- 4K instruction and 4K data caches
- Native support for 16-bit and 32-bit instructions
- 5-channel 2-D DMA controllers

Flexible I/O Processors

- Supports various types of inkjet and thermal printers, scanners, memory card media and color LCD displays
- Up to 72 General Purpose Input/Output (GPIO's) – can be used as FlexIO

PLL's and Clock Controller

- Frequency synthesizer for generating precision clock timing
- Eliminates external clock for laser printer engine

CSS Image Processor

- Advanced Very Long Instruction Word (VLIW) architecture
- Patented 2-D DMA engine
- Easy to customize DSP code – JAVA subset programming

SDRAM Controller

- 16-bit data BUS
- Supports 16, 64, 128 and 256Mbits

Integrated Boot ROM

- Supports serial flash memory

Integrated Fax Solution

- Supports the 4th generation SmartDAA for lower Bill of Materials (BOM) cost and world-wide support with single SKU

SPI Interface

- Supports up to 50MHz

Enables Small Form-Factor PCB

- 176-pin Low Profile Quad Flat Package (LQDP)

Reference Firmware

- Real-time multitasking environment
- Fax (up to V.34) and copy
- Telephony and optional voice features (telephone, Caller ID, Digital Telephone Answering Machine [DTAM], speakerphone)

Conexant Product Portfolio

The company's broad portfolio of semiconductor products also includes client-side DSL and cable modem solutions, home network processors, broadcast video encoders and decoders, digital set-top box components and systems solutions, and dial-up modems. In addition to its IEEE 802.11a/b/g-compliant WLAN chipsets, software, and reference designs, Conexant offers a suite of networking components that includes solutions for applications based on HomePlug® and HomePNA™. Additional products include a complete line of asymmetric and symmetric DSL central office solutions, which are used by service providers worldwide to deliver broadband data, voice, and video over copper telephone lines.

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