



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 HomePlugSM and HomePNATM. 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.

Features

- ARM926EJ core @ 250 MHz
 - 16 KB Instruction Cache
 - 4 KB Data Cache
 - 68 KB Instruction TCM (64 KB ROM and 4 KB RAM)
 - 16 KB Data TCM (8 KB ROM and 8 KB RAM)
 - Supports up to 64 MB of external SDRAM
 - Supports up to 32 MB of external flash
- Enhanced voice codec
 - Supports G.711, G.722, G.726 and G.729ab
 - DTMF encode and decode
 - DTMF relay
 - Dial tone generator
 - Hardware acoustic echo cancellation with 64ms span
- Ethernet interface
 - 3-port Ethernet switch
 - Two 10-100 EPHYs with Auto MDIX support
 - Enables power over Ethernet (802.3af)
- LCD controller
 - Supports up to 640 x 480 16-bit TFT
 - STN (single/dual panel)
 - BitBLT engine with ROP
 - Unified memory architecture (UMA)
- Integrated wideband codec
- Integrated SSD for FXO support
- Integrated LDO regulator controller
- USB 2.0 host/device
- PCI/PPI interface
- High-speed UART
- FlexIO programmable peripheral interface
- Keypad interface supports up to 81 keys
- Security features
 - Random number generator (RNG)
 - 3DES and 128-bit key AES
 - CBC and ECB support
- JTAG debug interface

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