



CX94610 Block Diagram

Product Features

- Support for ADSL/ADSL2/ADSL2plus (G.992.1, G.992.2, T1.413, G992.3, G.992.5) with optimized AFE designed to meet ADSL (TR-067) and ADSL2plus (WT-100) requirements
- Integrated field-proven xDSL DSP core with Annex A, B, M, I, J, and L support
- Integrated 10/100 Ethernet MAC with MII interface
- Optimized power management with support for dying gasp
- QoS features including support for extended (INP for better IPTV quality)
- Support for Parallel and Serial (SPI) Flash
- Support for DSLHome including TR-064, TR-068, TR-069, TR-098, TR-104, TR-106, TR-110, TR-111, TR-124, TR-133
- Memory and feature optimized binary and source software releases for targeted deployments
- Advanced wireless features including WPS and Smart Antenna support
- Easy to use HTML based graphical user interface (GUI) tools for customization of user configuration web pages.
- Modular IP stack with comprehensive networking protocol support including advanced bridging and routing capabilities, dynamic host configuration protocol (DHCP), point-to-point protocol over Ethernet (PPPoE), point-to-point protocol over ATM (PPPoA)
- PPP and tunneling features and routing information protocol (RIP)
- Simple network management protocol (SNMP) agent and tools
- Stateful packet inspection (SPI) firewall and network address translation (NAT) security solution
- ATM SAR engine supporting unspecified bit rate (UBR), constant bit rate (CBR) and other service classes
- UPnP for seamless network interconnectivity
- Common customer development environment and tools across ADSL to VDSL2 products
- Reference designs available for rapid prototyping
- Pin compatible option to the CX94615 Family (ADSL2plus Chipset with Integrated Wireless LAN and Voice) for platform flexibility.

Applications

- Wireless DSL bridge
- Wireless DSL router
- Integrated Wireless DSL gateway

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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