



Chipset	Profile 30a	Profile 17a	Profile 12x	Profile 8x	Voice	Gateway	Bonding
CX96629			X	X	X	X	X
CX96429	X	X	X	X	X	X	
CX96420	X	X	X	X		X	

www.DataSheet4U.com

Product Features

- Support for VDSL2 (G.993.2) with ADSL/ADSL2/ADSL2plus fallback (G.992.1, G.992.2, T1.413, G992.3, G.992.5)
- Integrated, field-proven xDSL DSP core architecture delivering profiles 8x, 12x, 17a, 30, long reach and VDLS2 pair bonding
- 16/32-bit DDR-1 interface
- Integrated 10/100/1000 Ethernet gigabit MAC with GMII, MII and TBI interfaces
- Integrated 10/100 Ethernet MAC with MII interface
- Integrated PCI interface with 32-bit x 33 MHz
- USB 2.0 interface via ULPI with host and device mode capability
- External Parallel Bus (EPB) provides support for NAND flash devices along with host interface mode for external host control
- Support for parallel flash and serial flash
- Integrated Voice DSP engine supports up to two VoIP channels with HW echo cancellation
- PCM interface to external Conexant's single- or dual-channel industry standard SLIC/Codec integrated devices (CX20560 & CX20559) or industry standard SLIC/codec devices
- Interface to lifeline backup using Conexant's cost effective SmartDAA FXO technology
- Optimized power management with support for dying gasp

- Support for DSLHome™ including TR-064, TR-068, TR-069, TR-098, TR-104, TR-106, TR-110, TR-111, TR-124, TR-133
- HW VPN Engine supporting DES, 3DES, AES, SHA-1, SHA-256 and MD5 operations
- Memory and feature optimized binary and source software releases for targeted deployments
- 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
- Common customer development environment and tools across ADSL to VDSL2 products

Applications

- VDSL2 17 MHz or 30 MHz bridges
- VDSL2 17MHz or 30 MHz gateways
- Wireless VDSL2 17 MHz or 30 MHz gateways
- VDSL2 17 MHz or 30 MHz voice gateways
- VDSL2 12 MHz pair bonded voice gateway

Conexant Product Portfolio

The company's broad portfolio of semiconductor products also includes client-side DSL, cable, and dial-up modem solutions; fiber optic system-on-chips; broadcast video encoders and decoders; and digital set-top box components and systems solutions. 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.

© 2007, 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: (732) 345-7500
 Headquarters
 4000 MacArthur Blvd.
 Newport Beach, CA 92660
 Doc# PBR-201091

