

Network Processor with Integrated Ethernet Switch and USB2.0 Support

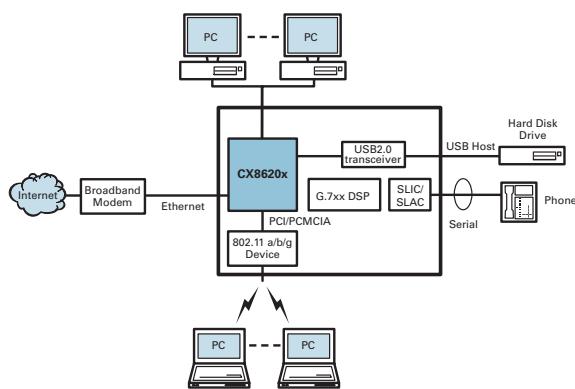
CX86201/2

Single-Chip Solution with Integrated Five-Port Ethernet Switch and USB2.0 Host Support

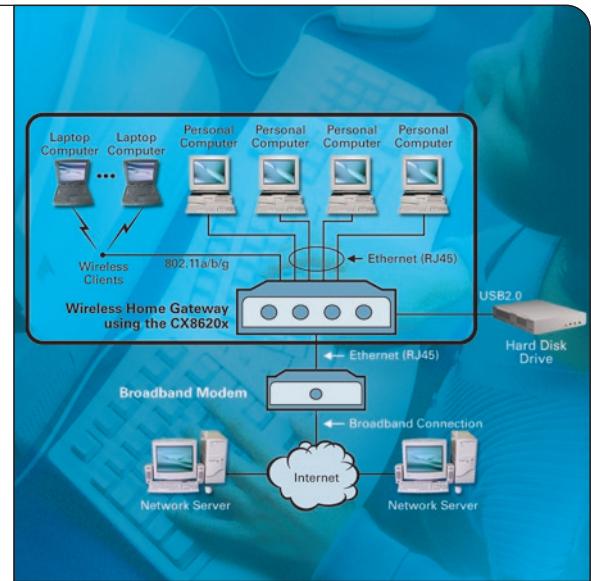
Conexant's broadband communications portfolio includes a comprehensive suite of semiconductor solutions that enable the digital home and information network. The Conexant CX8620x Network Processor supports complete networking system solutions for a wide variety of mainstream applications in the residential and SOHO environments. Based on a 180 MHz ARM926, this network processor is a single-chip solution with an integrated switch that supports five 10/100 Mbps Ethernet ports with auto MDIX capabilities.

In a broadband gateway application, the CX8620x network processor can provide Internet access sharing capability for multiple PCs, while supporting Ethernet, 802.11 through a PCI interface and any USB2.0 device including hard disk drives and printers. For WAN access, the unit supports Ethernet connectivity interoperable with any broadband modem. It is the ideal platform for a configurable broadband gateway design that needs to accommodate many diverse WAN/LAN topologies.

The device complies with IEEE 802.3 specification and includes five embedded DSP-based 10Base-T/100Base-TX transceivers. An auto negotiation function determines the selection of either the 10Base-T or 100Base-Tx mode. Typical applications would be a wireless home gateway including an Ethernet WAN port to connect to a broadband modem, four Ethernet LAN ports, an 802.11 a/b/g access point connecting any Wi-Fi compatible device and a home storage device connected through the USB2.0 host.



Secure 802.11a/b/g Gateway with Storage and VoIP Support



Distinguishing Features

- Single-Chip, high-performance processor with an integrated five-port Ethernet switch supporting auto MDIX
 - PCI host for a wide range of applications including the 802.11 a/b/g wireless protocols and video compression devices
 - Advanced Serial and VoIP capabilities (only CX86202)
 - An MMU for Linux and WinCE support
 - Supports high speed secure VPN implementations

Part Number CX86201/2

Description Network Processor with Integrated Ethernet Switch and USB2.0

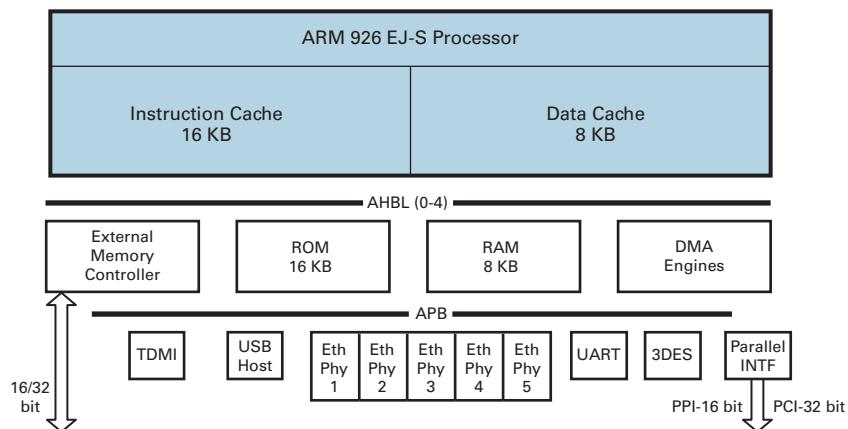
CX8620x Features and Versions

Features

- 180 MHz ARM923EJS-based processor
 - 16 KB of I-Cache and 8 KB of D-Cache
 - 5 integrated Ethernet ports with Auto MDIX support
 - PCI interface
 - Supports up to 16 MB of Flash and 64 MB of SDRAM
 - Embedded UART interface for external modem applications
 - TDMI interface for VoIP

Versions

- CX86202 for a wide range of home networking applications including wired and wireless gateways, printer servers, home storage, virtual private networks and Voice over IP in a 292-pin BGA
 - CX86201 for basic wired and wireless gateways in a 233-pin BGA with a PCI interface



CX8620x Architecture Diagram

© 2004, Conexant Systems, Inc. All Rights Reserved. Conexant and the Conexant logo are 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: (800) 854-8099
International: (949) 483-6996
Headquarters – Newport Beach
4000 MacArthur Blvd, P.O. Box C
Newport Beach, CA 92660-3095

Order# 102329A



ООО "ЛайфЭлектроникс"

"LifeElectronics" LLC

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибуторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибуторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помочь разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)
Email: org@lifeelectronics.ru