



Networking & Computing Systems Group

At a Glance

Overview

Freescale's Networking & Computing Group (NCSG) delivers the processing intelligence, connectivity solutions and high-power RF technology behind the world's networks. We provide advanced semiconductor products, solutions and technologies, as well as scalable system-on-chip (SoC) platforms, for applications in wireless and wireline infrastructure, enterprise networking, home and small office/home office (SOHO) networking and pervasive computing. With a deep understanding of emerging markets and end-customer requirements, we deliver comprehensive system-level solutions backed by software, development tools and reference designs. These solutions help our customers reduce costs, ease migration to next-generation designs and drive rapid market acceptance of their products.

Business Leader

David Perkins, senior vice president and general manager

2005 Revenue

\$1.4 billion
NCSG accounts for 25 percent of total Freescale revenue

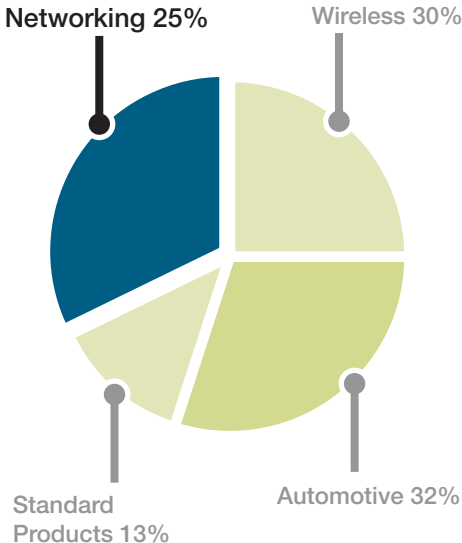
2005 Market Positions

- No. 1 in embedded processors
- No. 1 in RF power transistors for 2.5G and 3G cellular infrastructure
- No. 2 in programmable digital signal processors (DSPs)
- No. 1 in DSPs based on StarCore™ technology

Sources: IDC, ABI Research, Gartner Dataquest, Forward Concepts, 2005

Select Customers

- Alcatel
- Andrew
- Cisco Systems
- Ericsson
- Huawei
- Lucent Technologies
- Motorola
- Nokia
- Nortel Networks
- Siemens

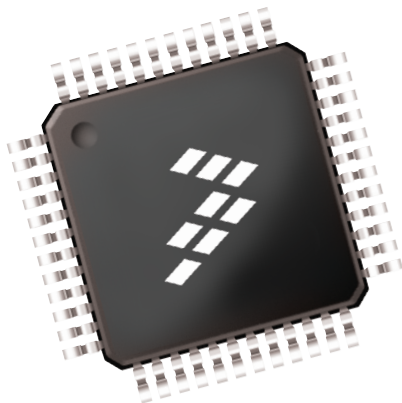


Major Product Lines

- PowerQUICC™ communications processors
- High-performance Power Architecture™ processors
- DSPs based on StarCore technology
- RF power transistors
- Application-specific and semi-custom integrated circuit (IC) products

Key Alliances

- Austin Wireless Alliance
- Power.org™ Consortium
- RapidIO® Trade Association
- WiMAX Forum
- University of Texas at Austin Wireless Networking & Communications Group



Fast Facts

- In June 2006, Freescale marked the 11-year anniversary of the introduction of the PowerQUICC family, the leading communications processor family as measured by market share.
- Freescale introduced the industry's first communications processor with RapidIO technology—the PowerQUICC III processor.
- Freescale's MPC8560 PowerQUICC III communications processor won the coveted High-Performance Embedded Processor category of Microprocessor Report's 2004 Analysts' Choice Awards.
- Since 1991, Freescale has played a key role in driving the evolution of Power Architecture technology—and this work continues within the Power.org community today with Freescale as a key participant.
- Freescale is the leading supplier of high-performance, power-efficient Silicon-on-Insulator (SOI) processors for the embedded world.
- Freescale is the leading supplier of RF power transistors for cellular infrastructure, with more than 60 percent marketshare for 2.5G and 3G wireless basestation applications.
- As a pioneer in RF technology, Freescale was the first to develop RF power transistors in LDMOS technology; the first to implement industry standards in ceramic and plastic packing for RF devices; and the first to deliver a 2 GHz discrete RF power transistor in plastic package capable of a 200°C junction temperature.
- As the No. 2 supplier of programmable DSPs, Freescale brought the first DSP based on StarCore technology to market and introduced the world's fastest triple-play multi-core DSP, the MSC8144.
- More than 75 million lines of packetized voice are deployed on Freescale DSPs.
- Finalist, EDN Magazine's 2005 Innovation Award—MPC8548E PowerQUICC III communications processor.
- 2005 Recognition:
 - Lucent Impact Supplier of the Year
 - Huawei Technologies Most Valued Supplier of the Year
 - Richardson Electronics Asia-Pacific Division Supplier of the Year

Target Markets and Applications

NCSG provides advanced semiconductor products for the following markets and applications:

- Wireless Infrastructure
 - 3G NodeB (base transceiver stations)
 - 3G radio network controllers (RNCs)
 - WiMAX basestations
 - Transcoding equipment
 - Baseband processing equipment
- Wireline Infrastructure
 - Gigabit passive optical networking (GPON) equipment
 - Multiservice provisioning platforms
 - IP digital subscriber line access multiplexers (DSLAMs)
 - Metro Ethernet equipment
 - Carrier voice-over-Internet Protocol (VoIP) equipment
 - Carrier core routers
 - Metro wavelength division multiplexers (WDMs)
- Enterprise Networking
 - Enterprise switches
 - Enterprise routers
 - Voice-enabled enterprise routers
 - Wireless LANs (enterprise access points)
 - IP private branch exchanges (PBXs)
- Home and SOHO Networking
 - Residential and SOHO gateways
 - Small-to-medium enterprise (SME) routers
 - Virtual private network (VPN) routers
 - Media servers
 - Personal/digital video recorders
 - IP set-top boxes
 - IP phones
- Pervasive Computing
 - High-end multifunction printers
 - Gaming applications
 - Home media centers
 - Kiosks
 - Web servers
 - Military/industrial
 - Thin clients

Learn More:

For more information about Freescale's Networking & Computing Systems Group, please visit www.freescale.com/networking.