Networking & Multimedia

Communications Processors

Multicore Platform
No. 1 supplier of communications processors*

Digital Signal Processors
No. 2 in programmable DSPs**
StarCore® and Symphony™ DSP families

Multimedia Applications
Comprehensive processor portfolio based on ARM® core technology

Development Platforms, Software & Tools

*Source: Linley Group, April 2008; **Source: Forward Concepts, February 2008
Freescale 2007 Revenue: $5.7 Billion

<table>
<thead>
<tr>
<th>Segment</th>
<th>Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF, Analog, and Sensor</td>
<td>$1,048</td>
</tr>
<tr>
<td>Microcontroller</td>
<td>$1,878</td>
</tr>
<tr>
<td>Networking and Multimedia</td>
<td>$1,121</td>
</tr>
<tr>
<td>Other</td>
<td>$458</td>
</tr>
<tr>
<td>Cellular</td>
<td>$1,217</td>
</tr>
</tbody>
</table>

Breakdown by Segment:
- Wireless Infrastructure
- Enterprise Networking
- Home & SOHO Networking
- Pervasive Computing
- Wireline Infrastructure
- Portable Consumer
- Automotive

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Overall Networking Trends: Beyond Convergence

At Home
- Phone, PMP
- TV / Audio System
- Broadband Modem

Triple / quadruple play services, secure access, DRM

At the Office
- Data Center
- LAN
- Private WAN
- Voice PBX

Integrated & secure, application-aware network

On the Road
- Voice Network
- Wireless Network
- Video/TV Network
- Data Network

Converged fixed and mobile voice, video and data with advanced services

Access  Convergence  Services/Experiences

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DSPs Based on StarCore® Technology

► Enabling next-generation wireless and wired infrastructure

- MSBA8100 – the industry’s first multi-standard baseband accelerator for new wireless standards (LTE, WiMAX, HSPA+)
- MSBA8100 + MSC8144: Speeds deployment of LTE and other next-generation wireless networks today.
- Dual- and tri-core devices extend portfolio of network-ready DSPs

Freescale introduces industry’s first multi standard accelerator supporting the new wireless 3G-LTE, WiMAX, HSPA+ and TDD-LTE base stations

MSBA8100 device replaces expensive FPGA or custom ASIC devices

AUSTIN, Texas and ORLANDO, Florida -- Freescale Technology Forum – June 16, 2008 – In a bold move to fundamentally advance next generation broadband wireless base station design, Freescale semiconductor today introduced the industry’s first multi-standard baseband accelerator device. The first accelerator to support 3G-LTE, the MSBA8100 supports the new wireless WiMAX, HSPA+, TDD-LTE and the 3G-LTE standards, enabling manufacturers of wireless infrastructure equipment to create substantially lower-cost, differentiated channel cards.
Consumer & SOHO

Consumer and Home Networking

- Consumer and Home Networking
- Home Media Hub
- Set-top Box
- Gaming Media Center
- Portable Player
- PDA/GPS
- Network Attached Storage
- Smartphone
- Access Point
- PON ONT NIB
- Residential Gateway

Personalized
Safe
Fun, easy to use
Recoverable/Protected

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“SigmaTel’s analog and mixed-signal IC technologies complement our successful portfolio of i.MX multimedia applications processors and position our multimedia business as a key growth driver for Freescale. With this acquisition, Freescale enhances its technology and talent enabling us to provide our customers worldwide with one of the broadest, most feature rich multimedia portfolios on the market.”

Rich Beyer
Chairman and Chief Executive Officer
Multimedia:
Convergence of Audio, Video and Connectivity

► Primary Applications
  • Media Players
  • Navigation Devices
  • Cellular
  • Automotive Infotainment

► Performance, Low Power and Portability
  • Better performance per MHz
  • Low-power leadership
  • Range of video formats, 3D graphics and connectivity options
  • On-chip accelerators optimize performance and battery life
  • Supports Microsoft® Windows® CE and Linux® OS
Microsoft has chosen i.MX as the platform across multiple markets

- Ford Sync platform for Microsoft Automotive
- Enterprise IP Phones
- Zune PMP devices

Freescale supports SideShow applications based on Microsoft.NET framework and builds WinCE board support packages (BSP) across entire i.MX product line
SigmaTel Synergy

► Complementary Markets
  • Mobile Consumer (PMP, PND)
  • Automotive Infotainment
  • General Purpose

► Complementary Customers
  • Strategic OEM penetration
  • A/P sales and distribution channels

► Complementary Solutions
  • Creates broad product portfolio – low-tier to high-tier
  • Broad software support

► Complementary Technology and IP
  • SigmaTel Mixed Signal IP and design for low cost methodology
  • Freescale multimedia and performance leadership

► Creates Scale
Every Connection Matters

The Net Effect

- Consumers are demanding superior user experience
- Advancement of technology and access creating a “Second Industrial Revolution”
- Service providers will need flexibility to introduce widespread, seamless and highly reliable services
- Ever-increasing performance and flexibility requirements are driving transition from single- to multicore solutions
Freescale is advancing the move to **embedded multicore** architectures with its new **QorIQ™** communications platforms.

QorIQ platforms are the **next-generation evolution** of Freescale PowerQUICC® communications processors – and compatible stepping stones to multicore.

QorIQ Communications Platforms enable developers to harness **superior performance, power-efficiency and programmability** for their applications.

Freescale has the **long-term, deep ecosystem** engagements necessary for streamlining the migration to multicore architectures.
<table>
<thead>
<tr>
<th>QorIQ™ Platform Levels</th>
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<thead>
<tr>
<th><strong>PLATFORMS / PRODUCTS</strong></th>
<th><strong>DESCRIPTION</strong></th>
<th><strong>APPLICATION EXAMPLES</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>QorIQ P5</td>
<td>Highest-performing embedded processors</td>
<td>Service Provider Routers, Network Admission Control, Storage Networks</td>
</tr>
<tr>
<td><strong>PRODUCTS:</strong> To be announced</td>
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<td></td>
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<tr>
<td>QorIQ P4</td>
<td>Tap the full potential of multicore with this “many-core” platform</td>
<td>Metro Carrier Edge Router, IMS Controller, Radio Network Control, Serving Node Router (GSN)</td>
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<td><strong>PRODUCTS:</strong> P4080</td>
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<tr>
<td>QorIQ P3</td>
<td>Your first step into true multicore performance</td>
<td>Converged Media Gateway, SSL, IPSec, Firewall, Access Gateway</td>
</tr>
<tr>
<td><strong>PRODUCTS:</strong> To be announced</td>
<td></td>
<td></td>
</tr>
<tr>
<td>QorIQ P2</td>
<td>Unprecedented performance per watt in this highly integrated platform</td>
<td>Unified Threat Management, VoIP Carrier-Class Media Gateway, Wireless Media Gateway, Basestation</td>
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<tr>
<td><strong>PRODUCTS:</strong> P2020, P2010</td>
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</tr>
<tr>
<td>QorIQ P1</td>
<td>A highly integrated, cost-effective, low power platform</td>
<td>Integrated Services Router, Network Attached Storage, Home Media Hub</td>
</tr>
<tr>
<td><strong>PRODUCTS:</strong> P1020, P1011, P1010</td>
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Typical example application of the intelligent use of power management control is a multi-function printing application (combined printer, scanner and copier).

The payoff: In Deep Sleep mode, a product can typically reduce its worse-case power consumption by 80 to 90 percent.
Freescale’s Design Win Pipeline

NMG Design Win Value by Segment

Industrial
Automotive
Home & SOHO Networking
Pervasive Computing
Wireline Infrastructure
Other
Consumer
Wireless Infrastructure
Enterprise Networking

2005 2006 2007
Networking & Multimedia Growth

► Grow with multimedia
  • i.MX + SigmaTel roadmap for portable consumer (PNP/PND) and auto infotainment
  • Leverage Microsoft WinCE in consumer, industrial & automotive
  • ODM and distribution expansion

► Expand networking SAM through targeted solutions
  • StarCore® DSP in wireless networks
  • QorIQ™ and PowerQUICC® processors in industrial, printing, home networking, storage and wireless
  • Distribution expansion
Every Connection Matters

...especially when it’s yours.

We make connections that keep you in touch with anyone at anytime, anywhere, on any device.

That’s why we...

• Create solutions for the core of the network to the enterprise and home to the mobile consumer.

• Offer flexible hardware and software platforms built on Power Architecture™ technology, Digital Signal Processors and i.MX applications processors

• Develop multi-core SoCs that push performance while respecting power budgets and legacy code

• Build the world’s most reliable products built on manufacturing excellence, quality and reliability

• Empower our customers to imagine, develop and deliver smarter, faster and better networked products world-wide
Making the World a Smarter Place.