

Semiconductor Market Forecasts



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Embedded Processing Service—2009 Edition

A series of 6 reports providing comprehensive coverage of trends for embedded processors | Published June 2009 | 542 Pages

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Embedded Processing Service—Service Overview

Semicast has a strategic focus on embedded processors and provides on-going research services to the global industry. The Embedded Processing Service provides coverage of 32/64-bit microcontrollers/embedded microprocessors (MCUs/eMPUs), general purpose DSPs, ASICs/ASSPs and PLDs/FPGAs, with dedicated analysis of trends for ARM, MIPS, Power Architecture and x86 in embedded processing. The service has been developed specifically for semiconductor and software suppliers to understand detailed trends for embedded processors in key application areas across the five main end-use sectors.

Key features of the service include:

- Coverage of the market for 32/64-bit MCUs/eMPUs, general purpose DSPs, ASICs/ASSPs and PLDs/FPGAs.
- Four reports providing in-depth coverage of trends for ARM, MIPS, Power Architecture and x86.
- Analysis of 20 application areas, providing detailed coverage of each end-use sector.
- Unit, revenue and average pricing (ASP) analysis in each application.
- Highly quantitative analysis, with discussion summarized in short, easy to read bullet points.
- PDF and Excel delivery options available.
- Inclusive telephone-based analyst enquiry time to answer questions and uncertainties related to market trends and forecasts.

Application Analysis

Each report in the service provides analysis of the market in each of the following application areas.

- Automotive Under-the-Hood Electronics
- Cellphones & Communicators
- Wired Communications Infrastructure
- Compute Platforms
- Office Equipment & Computer Peripherals
- Handheld Games Consoles
- Cameras & Camcorders
- DVD Recorders & Players
- Industrial Automation & Drives
- Chip Cards & Payment Processing
- Automotive Entertainment Systems
- Customer Premises Equipment
- Wireless Communications Infrastructure
- HDDs & Storage Systems
- Wired Games Consoles
- Media Players/MP3 Players
- TVs & Set-top Boxes
- Other Consumer Electronics
- Medical Electronics
- Other Industrial Electronics

Report Summaries

To review full details of each report in the service, please click on the report title to download the individual study brochure.

Opportunities for ARM in Embedded Processing

Last published June 2009. Provides analysis of trends for ARM-based MCUs/eMPUs, ASICs/ASSPs and FPGAs in 20 application areas. Forecasts to 2014.

Opportunities for MIPS in Embedded Processing

Last published May 2009. Provides analysis of trends for MIPS-based MCUs/eMPUs, ASICs/ASSPs and FPGAs in 20 application areas. Forecasts to 2014.

Opportunities for Power Architecture in Embedded Processing

Last published May 2009. Provides analysis of trends for Power Architecture-based MCUs/eMPUs, ASICs/ASSPs and FPGAs in 20 application areas. Forecasts to 2014.

Opportunities for x86 in Embedded Processing

Last published June 2009. Provides analysis of trends for x86-based MCUs/eMPUs, ASICs/ASSPs and FPGAs in 20 application areas. Forecasts to 2014.

32/64-bit Microcontrollers, Embedded Microprocessors & DSPs

Last published October 2008 (revised April 2009). Provides analysis of trends for ARM, MIPS, Power Architecture, 68K/Coldfire, x86, SuperH and "Other 32/64-bit" MCUs/eMPUs and General Purpose DSPs. Base year analysis in 2007, with forecasts to 2013.

ASICs, ASSPs & PLDs/FPGAs

Last published March 2009. Provides analysis of trends for Classic ASICs, MPU Core-based ASICs, Classic ASSPs, MPU Core-based ASSPs and PLDs/FPGAs in 20 application areas. Forecasts to 2014.

Analyst Biography

Colin Barnden - Principal Analyst



Colin joined Semicast Research in June 2006 and is principal analyst for semiconductor research and vice president of business development. Prior to joining Semicast, he worked for 12 years at IMS Research, rising to the position of Senior Research Director of its Semiconductor Research Group and responsible for analyst coverage on the analog/mixed signal, optoelectronic and embedded processing industries. Colin also set-up and established IMS Research's Automotive Electronics Group. During his tenure, Colin authored dozens of reports and became a well respected industry analyst. He holds a B.S. in Electronic Engineering from Aston University, England.

About Semicast

Semicast Research is a respected provider of independent market research on the semiconductor and electronics industry.

It specializes in coverage of new and emerging applications including industrial semiconductors, wireless semiconductors, automotive electronics, telematics/infotainment, digital consumer convergence and embedded processing.

Its analysts use a combination of technical understanding, a proven background in market research and specific applications knowledge to produce concise and timely research to help you make effective business decisions.

Semicast Research is a privately-held company and is not tied to any media or financial organizations. This gives vital impartiality in making independent market forecasts, free of alternative agenda or bias.

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Notes:

- Analyst support time is included to answer all reasonable questions relating to forecasts and conclusions.
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