

Semiconductor Market Forecasts



CONTENTS

Report Overview

Application Analysis

Example Tables

Table of Contents

Analyst Bio, About
Semicast

Order Form

Opportunities for Power Architecture in Embedded Processing—2011 Edition

One of a series of 4 reports on ARM, MIPS, Power Architecture
& x86 in Embedded Processing | Published May 2011 | 86 Pages

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Opportunities for Power Architecture in Embedded Processing - Report Overview

Key features of the study include:

- Part of the Embedded Processing Service.
- One of a series of 4 reports on ARM, MIPS, Power Architecture & x86 in Embedded Processing.
- Coverage of the market for Power Architecture-based MCUs/eMPUs, ASICs/ASSPs and FPGAs.
- Analysis of 23 application areas, providing detailed coverage of each end-use sector.
- Unit, revenue and average pricing (ASP) analysis for Power Architecture-based MCUs/eMPUs, ASICs/ASSPs and FPGAs in each application. Base year is 2010, with forecasts to 2016.
- 2010 supplier market share estimates for Power Architecture-based embedded processors.
- Highly quantitative analysis, with discussion summarized in short, easy to read bullet points.
- PDF and Excel delivery options available.

Application Analysis

The study provides analysis of the market for Power Architecture-based embedded processors in each of the following application areas:

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

For each application area, the study provides analysis of units, revenues and average pricing (ASP) for each of the following product types:

- Power Architecture-based MCUs/eMPUs
- Power Architecture-based ASICs/ASSPs
- Power Architecture-based FPGAs

Example Tables

Opportunities for Power Architecture in Embedded Processing by Application - Revenue Summary

Revenues (\$m)	2010	2011	2012	2013	2014	2015	2016	CAGR (10/16)	DIFF (10-16)	SUM (10>16)
Automotive	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Automotive Under-the-hood Electronics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Automotive OE Entertainment Systems	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Automotive Aftermarket	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Communications	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Cellphones	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Enterprise Customer Premises Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Wired Communications Infrastructure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Wireless Communications Infrastructure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Computer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Compute Platforms	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
HDDs & Storage Systems	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Office Equipment & Computer Peripherals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Consumer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Wired Games Consoles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Handheld Games Consoles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
eBook Readers/Media Tablets/Netbooks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Media Players/MP3 Players	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Cameras & Camcorders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Digital TVs & Set-top Boxes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
DVD Recorders & Players	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Residential Customer Premises Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Other Consumer Electronics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Industrial/Medical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Automation & Drives	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Medical Electronics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Chips Cards & Payment Processing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Other Industrial Electronics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	0.0	0.0
Year-on-year Growth		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

Source: Semicast Research

Table Revised: May 2011

Opportunities for Power Architecture-based Embedded Processors in
eBook Readers/Media Tablets/Netbooks

Product Type	2010	2011	2012	2013	2014	2015	2016	CAGR (10/16)	DIFF (10-16)	SUM (10>16)
Power Architecture-based MCU/eMPU										
Revenues (\$m)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
Units (MU)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
Average Price (\$)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-		
Power Architecture-based ASIC/ASSP										
Revenues (\$m)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
Units (MU)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
Average Price (\$)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-		
Power Architecture-based FPGA										
Revenues (\$m)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
Units (MU)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
Average Price (\$)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-		
Total Revenues (\$m)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
Total Units (MU)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
Sector ASP (\$)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-		

Source: Semicast Research

Table Revised: May 2011

Table of Contents

Section 1 – Executive Overview

Key Point Conclusions

Section 2 – Scope & Method

2.1 Scope

2.2 Research Method

2.3 Embedded Processing Service

Section 3 – Application Analysis

3.1 Automotive Under-the-hood Electronics

3.2 Automotive OE Entertainment Systems

3.3 Automotive Aftermarket

3.4 Cellphones

3.5 Enterprise Customer Premises Equipment

3.6 Wired Communications Infrastructure

3.7 Wireless Communications Infrastructure

3.8 Compute Platforms

3.9 HDDs & Storage Systems

3.10 Office Equipment & Computer Peripherals

3.11 Wired Games Consoles

3.12 Handheld Games Consoles

3.13 eBook Readers/Media Tablets/Netbooks

3.14 Media Players/MP3 Players

3.15 Cameras & Camcorders

3.16 Digital TVs & Set-top Boxes

3.17 DVD Recorders & Players

3.18 Residential Customer Premises Equipment

3.19 Other Consumer Electronics

3.20 Automation & Drives

3.21 Medical Electronics

3.22 Chips Cards & Payment Processing

3.23 Other Industrial Electronics

Section 4 – Opportunities for Power Architecture-based MCUs/eMPUs in Embedded Processing

Section 5 – Opportunities for Power Architecture-based ASICs/ASSPs in Embedded Processing

Section 6 – Opportunities for Power Architecture-based FPGAs in Embedded Processing

Appendix I — Previous Market Forecasts

Appendix II — Power Architecture-based Embedded Processor Supplier Activity Summary

List of Tables (37 tables)

Table 1.1 Opportunities for Power Architecture in Embedded Processing by Application - Revenue Summary

Table 1.2 Opportunities for Power Architecture in Embedded Processing by Application - Unit Summary

Table 1.3 Opportunities for Power Architecture in Embedded Processing - Product Summary

Table 1.4 Worldwide Market Share Estimates for Suppliers of Power Architecture-based Embedded Processors in 2010

Table 2.1 Definitions of Embedded Processing Product Categories

Table 2.2 Definitions of Applications

Table 3.1 Opportunities for Power Architecture-based Embedded Processors in Automotive Under-the-hood Electronics

Table 3.2 Opportunities for Power Architecture-based Embedded Processors in Automotive OE Entertainment Systems

Table 3.3 Opportunities for Power Architecture-based Embedded Processors in Automotive Aftermarket

Table 3.4 Opportunities for Power Architecture-based Embedded Processors in Cellphones

Table 3.5 Opportunities for Power Architecture-based Embedded Processors in Enterprise Customer Premises Equipment

Table 3.6 Opportunities for Power Architecture-based Embedded Processors in Wired Communications Infrastructure

Table 3.7 Opportunities for Power Architecture-based Embedded Processors in Wireless Communications Infrastructure

Table 3.8 Opportunities for Power Architecture-based Embedded Processors in Compute Platforms

Table 3.9 Opportunities for Power Architecture-based Embedded Processors in HDDs & Storage Systems

Table 3.10 Opportunities for Power Architecture-based Embedded Processors in Office Equipment & Computer Peripherals

Table 3.11 Opportunities for Power Architecture-based Embedded Processors in Wired Games Consoles

Table 3.12 Opportunities for Power Architecture-based Embedded Processors in Handheld Games Consoles

Table 3.13 Opportunities for Power Architecture-based Embedded Processors in eBook Readers/Media Tablets/Netbooks

Table 3.14 Opportunities for Power Architecture-based Embedded Processors in Media Players/MP3 Players

Table 3.15 Opportunities for Power Architecture-based Embedded Processors in Cameras & Camcorders

Table 3.16 Opportunities for Power Architecture-based Embedded Processors in Digital TVs & Set-top Boxes

Table 3.17 Opportunities for Power Architecture-based Embedded Processors in DVD Recorders & Players

Table 3.18 Opportunities for Power Architecture-based Embedded Processors in Residential Customer Premises Equipment

Table 3.19 Opportunities for Power Architecture-based Embedded Processors in Other Consumer Electronics

Table 3.20 Opportunities for Power Architecture-based Embedded Processors in Automation & Drives

Table 3.21 Opportunities for Power Architecture-based Embedded Processors in Medical Electronics

Table 3.22 Opportunities for Power Architecture-based Embedded Processors in Chips Cards & Payment Processing

Table 3.23 Opportunities for Power Architecture-based Embedded Processors in Other Industrial Electronics

Table 4.1 Opportunities for Power Architecture-based MCUs/eMPUs in Embedded Processing by Application - Revenue Summary

Table 4.2 Opportunities for Power Architecture-based MCUs/eMPUs in Embedded Processing by Application - Unit Summary

Table 5.1 Opportunities for Power Architecture-based ASICs/ASSPs in Embedded Processing by Application - Revenue Summary

Table 5.2 Opportunities for Power Architecture-based ASICs/ASSPs in Embedded Processing by Application - Unit Summary

Table 6.1 Opportunities for Power Architecture-based FPGAs in Embedded Processing by Application - Revenue Summary

Table 6.2 Opportunities for Power Architecture-based FPGAs in Embedded Processing by Application - Unit Summary

Table AP 1.1 Opportunities for Power Architecture in Embedded Processing by Application - Revenue Summary (April 2009 Forecast)

Table AP 1.2 Opportunities for Power Architecture in Embedded Processing by Application - Revenue Summary (June 2007 Forecast)

Table AP2.1 Power Architecture-based Embedded Processor Supplier Activity Summary

List of Figures (4 figures)

Figure 1: Opportunities for Power Architecture in Embedded Processing - Revenue Summary by End-use Industry

Figure 2: Opportunities for Power Architecture in Embedded Processing - Unit Summary by End-use Industry

Figure 3: Opportunities for Power Architecture in Embedded Processing - Revenue Summary by Product Type

Figure 4: Opportunities for Power Architecture in Embedded Processing - Unit Summary by Product Type

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.

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