

## Semiconductor Market Forecasts



### CONTENTS

Report Overview

Application Analysis

Example Tables

Table of Contents

Analyst Bio, About  
Semicast

Order Form

## Opportunities for MIPS in Embedded Processing —2011 Edition

One of a series of 4 reports on ARM, MIPS, Power Architecture  
& x86 in Embedded Processing | Published July 2011 | 89 Pages

\$5,250/EU4,200/£3,500 for 1-4 Seat PDF License

\$6,560/EU5,250/£4,375 for Intranet PDF License + Excel Tables



### Semicast Research Ltd.

Wellesley House, 204 London Road,  
Waterlooville, PO7 7AN, UK

Tel: +44 23-9273-3012

Fax (UK): +44 207-806-0707

Fax (US): (408) 351-9400

info@semicast.net

www.semicast.net

## Opportunities for MIPS 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 MIPS-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 MIPS-based MCUs/eMPUs, ASICs/ASSPs and FPGAs in each application. Base year is 2010, with forecasts to 2016.
- 2010 supplier market share estimates for MIPS-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 MIPS-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:

- MIPS-based MCUs/eMPUs
- MIPS-based FPGAs
- MIPS-based ASICs/ASSPs

## Example Tables

Opportunities for MIPS 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)
<b>Automotive</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	-	<b>0.0</b>	<b>0.0</b>
Automotive Under-the-hood Electronics	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
Automotive Aftermarket	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
<b>Communications</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	-	<b>0.0</b>	<b>0.0</b>
Cellphones	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
Wired Communications Infrastructure	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
<b>Computer</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	-	<b>0.0</b>	<b>0.0</b>
Compute Platforms	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
Office Equipment & Computer Peripherals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
<b>Consumer</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	-	<b>0.0</b>	<b>0.0</b>
Wired Games Consoles	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
eBook Readers/Media Tablets/Netbooks	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
Cameras & Camcorders	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
DVD Recorders & Players	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
Other Consumer Electronics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
<b>Industrial/Medical</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	-	<b>0.0</b>	<b>0.0</b>
Automation & Drives	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
Chips Cards & Payment Processing	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
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	-	<b>0.0</b>	<b>0.0</b>
Year-on-year Growth		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

Source: Semicast Research

Table Revised: June 2011

Opportunities for MIPS-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)
<b>MIPS-based MCU/eMPU</b>										
Revenues (\$m)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	<b>0.0</b>	<b>0.0</b>
Units (MU)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	<b>0.0</b>	<b>0.0</b>
Average Price (\$)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-		
<b>MIPS-based ASIC/ASSP</b>										
Revenues (\$m)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	<b>0.0</b>	<b>0.0</b>
Units (MU)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	<b>0.0</b>	<b>0.0</b>
Average Price (\$)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-		
<b>MIPS-based FPGA</b>										
Revenues (\$m)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	<b>0.0</b>	<b>0.0</b>
Units (MU)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	<b>0.0</b>	<b>0.0</b>
Average Price (\$)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-		
<b>Total Revenues (\$m)</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	-	<b>0.0</b>	<b>0.0</b>
<b>Total Units (MU)</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	-	<b>0.0</b>	<b>0.0</b>
<b>Sector ASP (\$)</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	-		

Source: Semicast Research

Table Revised: June 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 MIPS-based MCUs/eMPUs in Embedded Processing

### Section 5 – Opportunities for MIPS-based ASICs/ASSPs in Embedded Processing

### Section 6 – Opportunities for MIPS-based FPGAs in Embedded Processing

### Appendix I — Previous Market Forecasts

### Appendix II — MIPS-based Embedded Processor Supplier Activity Summary

### List of Tables (37 tables)

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

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

Table 1.3 Opportunities for MIPS in Embedded Processing - Product Summary

Table 1.4 Worldwide Market Share Estimates for Suppliers of MIPS-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 MIPS-based Embedded Processors in Automotive Under-the-hood Electronics

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

Table 3.3 Opportunities for MIPS-based Embedded Processors in Automotive Aftermarket

Table 3.4 Opportunities for MIPS-based Embedded Processors in Cellphones

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

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

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

Table 3.8 Opportunities for MIPS-based Embedded Processors in Compute Platforms

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

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

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

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

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

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

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

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

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

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

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

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

Table 3.21 Opportunities for MIPS-based Embedded Processors in Medical Electronics

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

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

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

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

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

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

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

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

Table AP 1.1 Opportunities for MIPS in Embedded Processing by Application - Revenue Summary (May 2009 Forecast)

Table AP 1.2 Opportunities for MIPS in Embedded Processing by Application - Revenue Summary (July 2007 Forecast)

Table AP2.1 MIPS-based Embedded Processor Supplier Activity Summary

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

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

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

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

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

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

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

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

Table AP 1.1 Opportunities for MIPS in Embedded Processing by Application - Revenue Summary (May 2009 Forecast)

Table AP 1.2 Opportunities for MIPS in Embedded Processing by Application - Revenue Summary (July 2007 Forecast)

Table AP2.1 MIPS-based Embedded Processor Supplier Activity Summary

### List of Figures (4 figures)

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

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

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

Figure 4: Opportunities for MIPS 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.

## About Semicast

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

It specializes in coverage of industrial and medical semiconductors, automotive electronics, telematics/infotainment, automotive semiconductors 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.

**Fax to : (US) +1 (408) 351-9400 | (UK) +44 207-806-0707**  
**Opportunities for MIPS in Embedded Processing (2011 Edition)**  
**Market Analysis and Forecasts to 2016 | Published July 2011**

I confirm my order for “Opportunities for MIPS in Embedded Processing (2011 Edition)”.  
 Please invoice me for the amount as specified below.

Specify	Deliverables	License Type	Price	Total
[ ]	PDF by e-mail	1-4 Seats	\$5,250/EU4,200/£3,500	
[ ]	PDF by e-mail + excel	Intranet/Enterprise	\$6,560/EU5,250/£4,375	

Notes:

- Analyst support time is included to answer all reasonable questions relating to forecasts and conclusions.
- PDF files are fully printable.
- 1-4 seat licenses permit access for up to 4 permanent employees of the purchasing company.  
 Intranet storage is prohibited.
- Intranet/Enterprise licenses permit storage of the research on the purchasing company’s intranet for access by permanent company employees.
- Orders from the UK invoiced in Sterling. VAT will be added to UK orders.
- Orders from the Euro Zone invoiced in Euros. VAT number must be quoted for all orders from the EU.
- All other orders invoiced in US Dollars.
- Invoice payment terms are net 30 days.

Your name: \_\_\_\_\_

Company name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City, State, ZIP: \_\_\_\_\_

Country: \_\_\_\_\_

Purchase Order #: \_\_\_\_\_ VAT/TVA/MWSt #: \_\_\_\_\_

Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

E-mail: \_\_\_\_\_

Date: \_\_\_\_\_ Signature: \_\_\_\_\_