

Semiconductor Market Forecasts



ASICs, ASSPs & PLDs/FPGAs — 2015 Edition

Market Analysis by Product Type & Application to 2020
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ASICs, ASSPs & PLDs/FPGAs - Report Overview

Key features of the study include:

- Part of the Embedded Processing Service
- Coverage of the market for Classic ASICs, 32/64-bit MPU Core-based ASICs, Classic ASSPs, 32/64-bit MPU Core-based ASSPs and PLDs/FPGAs.
- Analysis of 25 application areas, providing detailed coverage of each end-use sector.
- Unit, revenue and average pricing (ASP) analysis for each product type, in each application area.
- Supplier market share estimates (in revenues) in 2014.
- Highly quantitative analysis, with discussion summarized in short, easy to read bullet points.
- PDF and Excel delivery options available.
- Analyst support time to answer all reasonable questions relating to forecasts and conclusions.

Application Analysis

The study provides analysis of the market for ASICs, ASSPs & PLDs/FPGAs in the following applications:

- Automotive Under-the-Hood Electronics
- Automotive Aftermarket
- Enterprise Customer Premises Equipment
- Wireless Communications Infrastructure
- Personal, Enterprise & Cloud Storage
- Wired Games Consoles
- eBook Readers/Tablets/Netbooks
- Cameras & Camcorders
- Blu-ray/DVD Recorders & Players
- Digital Home Networks
- Automation & Drives
- Smart Cards & Payment Processing
- Military/Aerospace
- Automotive OE Entertainment Systems
- Cellphones & Smartphones
- Wired Communications Infrastructure
- Compute Platforms
- Office Equipment & Computer Peripherals
- Handheld Games Consoles
- Media Players/MP3 Players
- Digital TVs & Set-top Boxes
- Wearable Electronics
- Other Digital Home Appliances
- Medical Electronics
- Other Industrial Electronics

Product Analysis

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

- Classic ASICs
- Classic ASSPs
- PLDs/FPGAs
- 32/64-bit MPU Core-based ASICs
- 32/64-bit MPU Core-based ASSPs

Example Table

For each application, the study provides analysis as shown below.

World Market for ASICs, ASSPs & PLDs/FPGAs in Wearable Electronics										
Product Type	2014	2015	2016	2017	2018	2019	2020	CAGR (14/20)	DIFF (14-20)	SUM (14>20)
Classic ASIC										
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	-		
MPU Core-based ASIC										
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	-		
Classic 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	-		
MPU Core-based 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	-		
PLD/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	0.0
Total Units (MU)	0.0	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	0.0%		

Source: Semicast Research

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Analyst Biography

Colin Barnden - Principal Analyst



Colin joined Semicast Research in 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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