

2009 Microcontrollers

Semiconductor Product Markets – Worldwide



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Susie Inouye

Myson Robles-Bruce

Matt Scherer

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Reno, NV 89523

Phone: 775.624.6200

www.databeans.net

Abstract

Microcontrollers are a critical component from everything to simple toys to advanced power supply grids and automobiles. Databeans predicts that this market will continue to experience growth due to new developments in 32-Bit architectures which are making them less expensive; however 4-Bit and 8-Bit devices will continue to experience modest growth as their features continue to improve.

Microcontrollers are utilized in all five major semiconductor segments for a variety of functions including motor control, driving displays, performing calculations, and other simple repeatable programs. The automotive market, despite losing considerable market share from 2008, is predicted to continue to lead consumption of MCUs in 2009 with 30 percent of the available market. Microcontrollers operate in a number of automotive body applications including the dashboard modules, window lift, seat modules, door module, sun roof, climate control, and exhaust-gas recycling control, among others.

Databeans predicts that 2009 will be a particularly slow year for sales and consumption of microcontrollers, with a decline in revenue and shipments from 2008. However, in 2010 it is expected that increased sales of automobiles, personal electronics, and manufactured goods due to a steadily recovering world economy will return profits of MCUs. Databeans predicts that profits will increase 10 percent, while shipments will increase reach 14 billion by the end of 2010.

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Table of Contents

Significant Findings	1
Introduction.....	1
Product Segmentation.....	3
Market Segmentation.....	4
Regional Analysis	7
Americas	10
Europe	12
Japan.....	14
Asia Pacific.....	16
China	18
Taiwan.....	19
Korea	19
Other Asia	20
Consumption Analysis	21
Automotive	23
Computer	29
Consumer	32
Communications	37
Industrial.....	40
Production Analysis.....	47
4-Bit and 8-Bit Microcontrollers	49
16-Bit Microcontrollers.....	50
32-Bit Microcontroller	52
USB Controllers	53
Smart Cards.....	55
Supplier Market Share	57
Renesas Technology	67
Freescale Semiconductor	68
NEC.....	69
Fujitsu	70
Infineon Technologies	71
Microchip Technology	72
Texas Instruments	73
STMicroelectronics	74
Atmel.....	75
Methodology.....	77
Databeans Market and Product Segmentation Definitions	79
Market Segmentation.....	79
Product Segmentation	86

Table of Figures

Figure 1: Worldwide Microcontroller Market Forecast (Revenue, Units, and ASP)	2
Figure 2: 2009 and 2014 Worldwide Microcontroller Revenue Share by Product Type.....	3
Figure 3: 2009 Worldwide Microcontroller Revenue Share by Market Segment	4
Figure 4: Worldwide Microcontroller Revenue Forecast by Region	7
Figure 5: 2009 and 2014 Worldwide Microcontroller Revenue Share by Region	10
Figure 6: Americas Microcontroller Revenue Forecast by Product Type	12
Figure 7: Europe Microcontroller Revenue Forecast by Product Type.....	14
Figure 8: Japan Microcontroller Revenue Forecast by Product Type.....	16
Figure 9: Asia Pacific Microcontroller Revenue Forecast by Product Type	17
Figure 10: 2009 and 2014 Worldwide Microcontroller Revenue Share by Market Segment.....	22
Figure 11: Worldwide Microcontroller Revenue Forecast by Market Segment.....	23
Figure 12: Worldwide Automotive Microcontroller Revenue Forecast.....	25
Figure 13: Worldwide Computer Microcontroller Revenue Forecast by Application.....	32
Figure 14: Worldwide Consumer Microcontroller Revenue Forecast by Application	33
Figure 15: Worldwide Communications Microcontroller Revenue Forecast by Application	40
Figure 16: Worldwide Industrial Microcontroller Revenue Forecast by Application.....	46
Figure 17: Worldwide Microcontroller Revenue Forecast by Product Type	47
Figure 18: 2009 and 2014 Worldwide Microcontroller Revenue Share by Product Type	48
Figure 19: Worldwide 4-Bit and 8-Bit Microcontroller Market Forecast (Revenue, Units, and ASPs).....	50
Figure 20: Worldwide 16-Bit Microcontroller Market Forecast (Revenue, Units, and ASPs).....	51
Figure 21: Worldwide 32-Bit Microcontroller Market Forecast (Revenue, Units, and ASPs).....	53
Figure 22: Worldwide USB Controller Market Forecast (Revenue, Units, and ASPs).....	54
Figure 23: Worldwide Smart Card Controllers Forecast (Revenue, Units, and ASPs).....	56
Figure 24: 2008 Worldwide Microcontroller Revenue Share by Supplier.....	57

Table of Tables

Table 1: Worldwide Microcontroller Market Forecast (Revenue, Units, and ASP).....	2
Table 2: Worldwide Microcontroller Revenue Forecast by Region.....	8
Table 3: Worldwide Microcontroller Shipment Forecast by Region.....	8
Table 4: Worldwide 4-Bit and 8-Bit Microcontroller Revenue Forecast by Region.....	8
Table 5: Worldwide 4-Bit and 8-Bit Microcontroller Shipment Forecast by Region.....	8
Table 6: Worldwide 16-Bit Microcontroller Revenue Forecast by Region.....	9
Table 7: Worldwide 16-Bit Microcontroller Shipment Forecast by Region.....	9
Table 8: Worldwide 32-Bit Microcontroller Revenue Forecast by Region.....	9
Table 9: Worldwide 32-Bit Microcontroller Shipment Forecast by Region.....	9
Table 10: Americas Microcontroller Revenue Forecast by Product Type.....	12
Table 11: Europe Microcontroller Revenue Forecast by Product Type.....	14
Table 12: Japan Microcontroller Revenue Forecast by Product Type.....	16
Table 13: Asia Pacific Microcontroller Revenue Forecast by Product Type.....	17
Table 14: Worldwide Microcontroller Revenue Forecast by Market Segment.....	21
Table 15: Worldwide Automotive Microcontroller Revenue Forecast by Application.....	26
Table 16: Worldwide Automotive Electronics Revenue Forecast by Application.....	27
Table 17: Worldwide Automotive Electronics Shipment Forecast by Application.....	28
Table 18: Worldwide Computer Electronics Revenue Forecast by Application.....	30
Table 19: Worldwide Computer Electronics Shipment Forecast by Application.....	31
Table 20: Worldwide Computer Microcontroller Revenue Forecast by Application.....	32
Table 21: Worldwide Consumer Microcontroller Revenue Forecast by Application.....	33
Table 22: Worldwide Consumer Electronics Revenue Forecast by Application.....	35
Table 23: Worldwide Consumer Electronics Shipment Forecast by Application.....	36
Table 24: Worldwide Communications Electronics Revenue Forecast by Application.....	38
Table 25: Worldwide Communications Electronics Shipment Forecast by Application.....	39
Table 26: Worldwide Communications Microcontroller Revenue Forecast by Application.....	40
Table 27: Worldwide Industrial Electronics Revenue Forecast by Application.....	42
Table 28: Worldwide Industrial Electronics Shipment Forecast by Application.....	44
Table 29: Worldwide Industrial Microcontroller Revenue Forecast by Application.....	46
Table 30: Worldwide 4-Bit and 8-Bit Microcontroller Market Forecast (Revenue, Units, and ASPs).....	50
Table 31: Worldwide 16-Bit Microcontroller Market Forecast (Revenue, Units, and ASPs).....	51

Table 32: Worldwide 32-Bit Microcontroller Market Forecast (Revenue, Units, and ASPs).....	53
Table 33: Worldwide USB Controller Market Forecast (Revenue, Units, and ASPs)	54
Table 34: Worldwide Smart Card Controllers Market Forecast (Revenue, Units, and ASPs).....	56
Table 35: 2007 and 2008 Worldwide Microcontroller Revenue Share by Supplier.....	58
Table 36: 2007 and 2008 Americas Microcontroller Revenue Share by Supplier.....	59
Table 37: 2007 and 2008 Europe Microcontroller Revenue Share by Supplier.....	60
Table 38: 2007 and 2008 Japan Microcontroller Revenue Share by Supplier	61
Table 39: 2007 and 2008 Asia Pacific Microcontroller Revenue Share by Supplier	62
Table 40: 2007 and 2008 Worldwide Consumer Microcontroller Revenue Share by Supplier.....	63
Table 41: 2007 and 2008 Worldwide Computer Microcontroller Revenue Share by Supplier	63
Table 42: 2007 and 2008 Worldwide Wireless Microcontroller Revenue Share by Supplier.....	64
Table 43: 2007 and 2008 Worldwide Wired Microcontroller Revenue Share by Supplier.....	64
Table 44: 2007 and 2008 Worldwide Automotive Microcontroller Revenue Share by Supplier	65
Table 45: 2007 and 2008 Worldwide Smart Card Microcontroller Revenue Share by Supplier	65
Table 46: 2007 and 2008 Worldwide Industrial and Other Microcontroller Revenue Share by Supplier.....	66

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Publication Number: 09SemiProd-Microcontrollers

Research Analyst: Susie Inouye

✉ sinouye@databeans.net

Research Analyst: Matt Scherer

✉ matt@databeans.net

Research Analyst: Myson Robles-Bruce

✉ myson@databeans.net
