

**DATABEANS INCORPORATED**

---

Application Specific Analog Markets - Worldwide

# Communications Analog ICs

APPLICATION SPECIFIC ANALOG MARKETS - WORLDWIDE

# Communications Analog ICs

---

Myson Robles-Bruce  
Susie Inouye  
Publication Number: ACC0804  
August 2004

ã **DATABEANS INCORPORATED**  
7715 Harvest Hill Lane  
Reno, NV 89523  
Phone: 775.624.2881  
[www.databeans.net](http://www.databeans.net)

---

---

## Abstract

*Databeans expects that 2004 will end as a strong growth year for the semiconductor industry and that total revenue will exceed even the high level seen in year 2000. Growth drivers this year include memory and logic and end markets include wireless communications and consumer.*

This report provides a detailed look at the communications analog market and how wireless is fuelling growth this year for the total semiconductor market as well as analog. Communications analog ICs are application specific products used in wireless handsets, wireless LANs, infrastructure equipment, data networking equipment, and telecom switches.

Market data presented in this report includes a forecast and current outlook for both wired and wireless products by region and by application market segment. Market share information is also presented for both wired and wireless product categories.

---

---

# Table of Contents

Significant Findings .....	1
Current Market Conditions .....	1
Communications Semiconductors .....	2
Current Outlook and Forecast.....	5
Regional Perspective.....	9
Global Economy.....	9
Americas.....	10
Europe.....	12
Asia-Pacific .....	13
Japan.....	14
Consumption Analysis.....	17
Cell Phone Handsets .....	17
Wireless Infrastructure .....	19
Wireless LAN.....	20
Enterprise Networking.....	21
Broadband.....	23
Suppliers.....	27
Market Share .....	27
STMicroelectronics.....	30
Texas Instruments .....	32
RF Micro Devices.....	33
Infineon .....	33
Skyworks.....	34
Philips Semiconductors.....	34
Freescale Semiconductor (Motorola) .....	34
Analog Devices.....	35
National Semiconductor.....	35
Intersil .....	36
Maxim .....	36
Methodology.....	37

---

---

# Table of Tables

Table 1: Global Revenue Forecast for Analog in the Communications Segment by Product Type.....	7
Table 2: Global Market Forecast for Communications Analog ICs (Revenue, Units, and ASPs) .....	8
Table 3: Global Market Forecast for Wireless Communications Analog ICs (Revenue, Units, and ASPs).....	8
Table 4: Global Market Forecast for Wired Communications Analog ICs (Revenue, Units, and ASPs).....	8
Table 5: Global Revenue Forecast for Communications Analog ICs by Region.....	15
Table 6: Global Shipment Forecast for Communications Applications by End Equipment.....	25
Table 7: Global Revenue Forecast for Communications Analog ICs by Application Segment.....	26
Table 8: 2003 Communications Analog IC Supplier Market Share.....	28
Table 9: 2003 Wireless Communications Analog IC Supplier Market Share .....	29
Table 10: 2003 Wired Communications Analog IC Supplier Market Share .....	30

# Table of Figures

Figure 1: Global Semiconductor Market Revenue Forecast .....	2
Figure 2: 2003 Communications Semiconductor Market by Product Type.....	3
Figure 3: 2003 Analog Communications Semiconductor Market by Product Type.....	4
Figure 4: Global Pricing Forecast for Communications Analog ICs by Product Type.....	5
Figure 5: Global Shipment Forecast for Communications Analog ICs by Product Type.....	6
Figure 6: Global Revenue Forecast for Communications Analog ICs by Product Type.....	7
Figure 7: Global Forecast for Communications Analog IC Revenue by Region.....	10
Figure 8: Regional Revenue Share of Analog Communications ICs 2003 and 2009.....	15
Figure 9: Global Wireless Handset Shipment Forecast .....	19
Figure 10: Global Wireless Base Station Shipment Forecast .....	20
Figure 11: Global Wireless LAN Shipment Forecast.....	21
Figure 12: Global Frame Relay/ATM End Equipment Shipment Forecast .....	22
Figure 13: Global Ethernet End Equipment Shipment Forecast.....	23
Figure 14: Global Broadband Modem Shipment Forecast.....	24
Figure 15: 2003 Communications Analog IC Supplier Market Share.....	27

---