
Analysis of worldwide and regional market trends for automotive entertainment systems | Published November 2018 | 172 Pages

$8,250 for Enterprise License (includes PDF and Excel deliverables)
$6,750 for 5 User License (includes PDF and Excel deliverables)
$5,250 for 1 User License (includes PDF only)
Automotive Audio, Infotainment & Navigation Systems — Report Overview

Key features of the study include:

- Part of the Automotive Electronics & Entertainment Systems Service.
- Coverage of audio-only systems, front seat infotainment, rear seat entertainment, embedded navigation systems and embedded communications modules. Coverage also of autochangers and amplifiers.
- Analysis of market trends for each system in nine geographic regions: North America, Europe, Japan, China, South Korea, India, Russia, Brazil and Rest of the World.
- Analysis of unit shipments, average pricing and revenues for each system, in each region. Base year is 2018, with forecasts to 2025.
- Supplier market share estimates in 2018 for audio-only systems, front seat infotainment, rear seat entertainment and embedded navigation systems. Separate analysis provided for OE and aftermarket shipments.
- Analysis of automotive source unit connectivity, covering OE and aftermarket trends for smartphone integration (such as Apple CarPlay and Android Auto) and integrated Bluetooth.
- Analysis of media format trends, covering CD, DVD, hard disc drive and flash memory storage.
- Highly quantitative analysis, with discussion summarized in short, easy to read bullet points.
- PDF and Excel delivery options available.

System Coverage

The study analyzes the market in units and revenues for seven automotive systems. Factory fit (OE) systems, dealer-fit and aftermarket systems are all included. 2018 is used as the base year with forecasts to 2025.

- Audio-only Systems
- Embedded Navigation Systems
- Autochangers
- Front Seat Infotainment
- Embedded Communications Modules
- Rear Seat Entertainment
- Amplifiers

Additional System Analysis

Additional analysis of the market is presented as follows:

All Source Units:
- by connectivity type: Smartphone Integration and Integrated Bluetooth. Analysis is presented both for OE and Aftermarket shipments.

Audio-only Source Units:
- by media format: into Cassette/MiniDisc, CD (Uncompressed), CD (MP3/WMA compatible), High Definition Audio, Hard Disc Drive, Solid State Drive, Mechless (No CD/DVD/HDD). Analysis is presented both for OE and Aftermarket shipments.
- by sales channel: into OE and Aftermarket.
Front Seat Infotainment:
- by sales channel: into OE and Aftermarket.

Rear Seat Entertainment:
- by sales channel: into OE and Aftermarket.

Navigation Systems:
- by system type: into Basic, Dynamic and Network-linked.
- by media format: into DVD, SD Card, HDD, Flash Memory/SSD, Offboard. Analysis is presented both for OE and Aftermarket shipments.
- by sales channel: into OE and Aftermarket.

Autochangers:
- by sales channel: into OE and Aftermarket.

Amplifiers:
- by sales channel: into OE and Aftermarket.

Regional Analysis
For each system, regional breakdowns are presented as follows:
- North America
- China
- Russia
- Europe
- South Korea
- Brazil
- Japan
- India
- Rest of the World

Market Metrics
For each system, regional breakdowns in terms of region of equipment sale are presented as follows:
- Units
- ASP ($)  
- Revenues ($)  

Market Share Analysis
Market shares (in units) are provided for 2018 for Worldwide, North America, Europe, Japan and China as follows:
- Audio-only Systems
- Front Seat Infotainment
- Rear Seat Entertainment
- Embedded Navigation Systems

Separate analysis is presented for OE and aftermarket shipments in each case.
Example Table

An example table taken from the report showing the format used to present the market forecasts is shown below.

### World Market for Embedded Communications Modules by Region

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>North America</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Average Sales Price /$</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Revenues /$m</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

| Europe            | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |
| Average Sales Price /$ | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |
| Revenues /$m      | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |

| Japan             | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |
| Average Sales Price /$ | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |
| Revenues /$m      | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |

| China             | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |
| Average Sales Price /$ | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |
| Revenues /$m      | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |

| South Korea       | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |
| Average Sales Price /$ | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |
| Revenues /$m      | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |

| India             | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |
| Average Sales Price /$ | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |
| Revenues /$m      | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |

| Russia            | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |
| Average Sales Price /$ | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |
| Revenues /$m      | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |

| Brazil            | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |
| Average Sales Price /$ | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |
| Revenues /$m      | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |

| Rest of the World | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |
| Average Sales Price /$ | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |
| Revenues /$m      | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -             | 0            | 0            |

| Year-on-year Growth | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -             | -            | -            |

Source: Semicast Research  
Table Revised: October 2018
Table of Contents

Section 1 — Executive Overview
Key Point Conclusions

Section 2 — Scope & Method
2.1 Scope, Content & Definitions
2.2 Research Method
2.3 Automotive Electronics & Entertainment Systems Service

Section 3 — World & Regional Light Vehicle Sales Forecast

Section 4 — Automotive Audio, Infotainment & Navigation Systems By System Type

Section 5 — Automotive Source Unit Connectivity Trends

Section 6 — Automotive Audio, Infotainment & Navigation Systems By Region


List of Tables
Table 1.1 Automotive Audio, Infotainment & Navigation Systems Revenue Summary by System
Table 1.2 Automotive Audio, Infotainment & Navigation Systems Unit Summary by System
Table 1.3 Regional Shipments of Automotive Source Units by Media Format
Table 1.4 Automotive Audio, Infotainment & Navigation Systems Revenue & Unit Summary by Region
Table 1.5 Worldwide 2018 Market Share Estimates for OE & Aftermarket Automotive Source Units
Table 2.1 Regional Definitions
Table 2.2 Product Definitions & Description
Table 3.1 World Light Vehicle Sales Forecast by Region
Table 3.2 Light Vehicle Sales Forecast in Brazil, Russia, India & China
Table 4.1 Automotive Audio, Infotainment & Navigation Systems Unit Summary by System
Table 4.2 Automotive Audio, Infotainment & Navigation Systems Revenue Summary by System
Table 4.3 World Market for Audio-only Source Units by Media Format
Table 4.4 Regional Shipments of Audio-only Source Units by Region
Table 4.5 Regional Shipments of Audio-only Source Units by Media Format in Developing Markets
Table 4.6 Regional Shipments of OE Audio-only Source Units by Media Format in Mature Markets
Table 4.7 Regional Shipments of OE Audio-only Source Units by Media Format in Developing Markets
Table 4.8 Regional Shipments of Aftermarket Audio-only Source Units by Media Format in Mature Markets
Table 4.9 Regional Shipments of Aftermarket Audio-only Source Units by Media Format in Developing Markets
Table 4.10 Regional Shipments of Audio-only Source Units by Sales Channel
Table 4.11 World Market for Front Seat Infotainment Systems by Region
Table 4.12 Regional Shipments of Front Seat Infotainment Systems by Sales Channel
Table 4.13 World Market for Rear Seat Entertainment Systems by Region
Table 4.14 Regional Shipments of Rear Seat Entertainment Systems by Sales Channel
Table 4.15 World Market for Embedded Navigation Systems by Region
Table 4.16 Regional Shipments of Embedded Navigation Systems by System Type
Table 4.17 Regional Shipments of Embedded Navigation Systems by Media Format
Table 4.18 Regional Shipments of OE Embedded Navigation Systems by Media Format
Table 4.19 Regional Shipments of Aftermarket Embedded Navigation Systems by Media Format
Table 4.20 Regional Shipments of Embedded Navigation Systems by Sales Channel
Table 4.21 World Market for Embedded Communications Modules by Region
Table 4.22 World Market for Autochangers by Region
Table 4.23 Regional Shipments of Autochangers by Sales Channel
Table 4.24 World Market for Amplifiers by Region
Table 4.25 Regional Shipments of Amplifiers by Sales Channel
Table 5.1 Regional Shipments of Automotive Source Units with Smartphone Integration
Table 5.2 Regional Shipments of OE Automotive Source Units with Smartphone Integration
Table 5.3 Regional Shipments of Aftermarket Automotive Source Units with Smartphone Integration
Table 5.4 Regional Shipments of Automotive Source Units with Integrated Bluetooth
Table 5.5 Regional Shipments of OE Automotive Source Units with Integrated Bluetooth
Table 5.6 Regional Shipments of Aftermarket Automotive Source Units with Integrated Bluetooth
Table 5.7 Regional Shipments of Automotive Source Units by Media Format
Table 6.1 Automotive Audio, Infotainment & Navigation Systems Revenue & Unit Summary by Region
Table 6.2 North American Automotive Audio, Infotainment & Navigation Systems Unit Summary by System
Table 6.3 North American Automotive Audio, Infotainment & Navigation Systems Revenue Summary by System
Table 6.4 North American Shipments of OE & Aftermarket Audio-only Source Units by Media Format
Table 6.5 North American Shipments of Front Seat Infotainment Systems by Sales Channel
Table 6.6 North American Shipments of Rear Seat Entertainment Systems by Sales Channel
Table 6.7 North American Shipments of Embedded Navigation Systems by System Type
Table 6.8 North American Shipments of OE & Aftermarket Embedded Navigation Systems by Media Format
Table 6.9 North American Shipments of OE & Aftermarket Automotive Source Units with Smartphone Integration
Table 6.10 North American Shipments of OE & Aftermarket Automotive Source Units with Integrated Bluetooth
Table 6.11 North American Shipments of Automotive Source Units by Media Format
Table 6.12 European Automotive Audio, Infotainment & Navigation Systems Unit Summary by System
Table 6.13 European Automotive Audio, Infotainment & Navigation Systems Revenue Summary by System
Table 6.14 European Shipments of OE & Aftermarket Audio-only Source Units by Media Format
Table 6.15 European Shipments of Front Seat Infotainment Systems by Sales Channel
Table 6.16 European Shipments of Rear Seat Entertainment Systems by Sales Channel
Table 6.17 European Shipments of Embedded Navigation Systems by System Type
Table 6.18 European Shipments of OE & Aftermarket Embedded Navigation Systems by Media Format
Table 6.19 European Shipments of OE & Aftermarket Automotive Source Units with Smartphone Integration

www.semicast.net
Table 6.20 European Shipments of OE & Aftermarket Automotive Source Units with Integrated Bluetooth
Table 6.21 European Shipments of Automotive Source Units by Media Format
Table 6.22 Japanese Automotive Audio, Infotainment & Navigation Systems Unit Summary by System
Table 6.23 Japanese Automotive Audio, Infotainment & Navigation Systems Revenue Summary by System
Table 6.24 Japanese Shipments of OE & Aftermarket Audio-only Source Units by Media Format
Table 6.25 Japanese Shipments of Front Seat Infotainment Systems by Sales Channel
Table 6.26 Japanese Shipments of Rear Seat Entertainment Systems by Sales Channel
Table 6.27 Japanese Shipments of Embedded Navigation Systems by System Type
Table 6.28 Japanese Shipments of OE & Aftermarket Embedded Navigation Systems by Media Format
Table 6.29 Japanese Shipments of OE & Aftermarket Automotive Source Units with Smartphone Integration
Table 6.30 Japanese Shipments of OE & Aftermarket Automotive Source Units with Integrated Bluetooth
Table 6.31 Japanese Shipments of Automotive Source Units by Media Format
Table 6.32 Chinese Automotive Audio, Infotainment & Navigation Systems Unit Summary by System
Table 6.33 Chinese Automotive Audio, Infotainment & Navigation Systems Revenue Summary by System
Table 6.34 Chinese Shipments of OE & Aftermarket Audio-only Source Units by Media Format
Table 6.35 Chinese Shipments of Front Seat Infotainment Systems by Sales Channel
Table 6.36 Chinese Shipments of Rear Seat Entertainment Systems by Sales Channel
Table 6.37 Chinese Shipments of Embedded Navigation Systems by System Type
Table 6.38 Chinese Shipments of OE & Aftermarket Embedded Navigation Systems by Media Format
Table 6.39 Chinese Shipments of OE & Aftermarket Automotive Source Units with Smartphone Integration
Table 6.40 Chinese Shipments of OE & Aftermarket Automotive Source Units with Integrated Bluetooth
Table 6.41 Chinese Shipments of Automotive Source Units by Media Format
Table 6.42 South Korean Automotive Audio, Infotainment & Navigation Systems Unit Summary by System
Table 6.43 South Korean Automotive Audio, Infotainment & Navigation Systems Revenue Summary by System
Table 6.44 South Korean Shipments of OE & Aftermarket Audio-only Source Units by Media Format
Table 6.45 South Korean Shipments of Front Seat Infotainment Systems by Sales Channel
Table 6.46 South Korean Shipments of Rear Seat Entertainment Systems by Sales Channel
Table 6.47 South Korean Shipments of Embedded Navigation Systems by System Type
Table 6.48 South Korean Shipments of OE & Aftermarket Embedded Navigation Systems by Media Format
Table 6.49 South Korean Shipments of OE & Aftermarket Automotive Source Units with Smartphone Integration
Table 6.50 South Korean Shipments of OE & Aftermarket Automotive Source Units with Integrated Bluetooth
Table 6.51 South Korean Shipments of Automotive Source Units by Media Format
Table 6.52 Indian Automotive Audio, Infotainment & Navigation Systems Unit Summary by System
Table 6.53 Indian Automotive Audio, Infotainment & Navigation Systems Revenue Summary by System
Table 6.54 Indian Shipments of OE & Aftermarket Audio-only Source Units by Media Format
Table 6.55 Indian Shipments of Front Seat Infotainment Systems by Sales Channel
Table 6.56 Indian Shipments of Rear Seat Entertainment Systems by Sales Channel
Table 6.57 Indian Shipments of Embedded Navigation Systems by System Type
Table 6.58 Indian Shipments of OE & Aftermarket Embedded Navigation Systems by Media Format
Table 6.59 Indian Shipments of OE & Aftermarket Automotive Source Units with Smartphone Integration
Table 6.60 Indian Shipments of OE & Aftermarket Automotive Source Units with Integrated Bluetooth
Table 6.61 Indian Shipments of Automotive Source Units by Media Format
Table 6.62 Russian Automotive Audio, Infotainment & Navigation Systems Unit Summary by System
Table 6.63 Russian Automotive Audio, Infotainment & Navigation Systems Revenue Summary by System
Table 6.64 Russian Shipments of OE & Aftermarket Audio-only Source Units by Media Format
Table 6.65 Russian Shipments of Front Seat Infotainment Systems by Sales Channel
Table 6.66 Russian Shipments of Rear Seat Entertainment Systems by Sales Channel
Table 6.67 Russian Shipments of Embedded Navigation Systems by System Type
Table 6.68 Russian Shipments of OE & Aftermarket Embedded Navigation Systems by Media Format
Table 6.69 Russian Shipments of OE & Aftermarket Automotive Source Units with Smartphone Integration
Table 6.70 Russian Shipments of OE & Aftermarket Automotive Source Units with Integrated Bluetooth
Table 6.71 Brazilian Shipments of OE & Aftermarket Automotive Source Units with Smartphone Integration
Table 6.72 Brazilian Shipments of OE & Aftermarket Automotive Source Units with Integrated Bluetooth
Table 6.73 Brazilian Shipments of Embedded Navigation Systems by System Type
Table 6.74 Brazilian Shipments of OE & Aftermarket Embedded Navigation Systems by Media Format
Table 6.75 Brazilian Shipments of Front Seat Infotainment Systems by Sales Channel
Table 6.76 Brazilian Shipments of Rear Seat Entertainment Systems by Sales Channel
Table 6.77 Brazilian Shipments of Embedded Navigation Systems by System Type
Table 6.78 Brazilian Shipments of OE & Aftermarket Embedded Navigation Systems by Media Format
Table 6.79 Brazilian Shipments of OE & Aftermarket Automotive Source Units with Smartphone Integration
Table 6.80 Brazilian Shipments of OE & Aftermarket Automotive Source Units with Integrated Bluetooth
Table 6.81 Brazilian Shipments of Automotive Source Units by Media Format
Table 6.82 Rest of the World Automotive Audio, Infotainment & Navigation Systems Unit Summary by System
Table 6.83 Rest of the World Automotive Audio, Infotainment & Navigation Systems Revenue Summary by System
Table 6.84 Rest of the World Shipments of OE & Aftermarket Audio-only Source Units by Media Format
Table 6.85 Rest of the World Shipments of Front Seat Infotainment Systems by Sales Channel
Table 6.86 Rest of the World Shipments of Rear Seat Entertainment Systems by Sales Channel
Table 6.87 Rest of the World Shipments of Embedded Navigation Systems by System Type
Market Analysis and Forecasts to 2025 | November 2018

Table 6.88 Rest of the World Shipments of OE & Aftermarket Embedded Navigation Systems by Media Format
Table 6.89 Rest of the World Shipments of OE & Aftermarket Automotive Source Units with Smartphone Integration
Table 6.90 Rest of the World Shipments of OE & Aftermarket Automotive Source Units with Integrated Bluetooth

Table 7.1 Worldwide 2018 Market Share Estimates for OE & Aftermarket Automotive Source Units
Table 7.2 Worldwide 2018 Market Share Estimates for OE & Aftermarket Audio-only Source Units
Table 7.3 Worldwide 2018 Market Share Estimates for OE & Aftermarket Automotive Source Units

Table 5.1 Rest of the World Shipments by Media Format
Table 5.2 Rest of the World Shipments by System Type

Table 7.6 North American 2018 Market Share Estimates for OE & Aftermarket Automotive Source Units
Table 7.7 North American 2018 Market Share Estimates for OE & Aftermarket Audio-only Source Units
Table 7.8 North American 2018 Market Share Estimates for OE & Aftermarket Source Units
Table 7.9 North American 2018 Market Share Estimates for OE & Aftermarket Automotive Source Units
Table 7.11 European 2018 Market Share Estimates for OE & Aftermarket Automotive Source Units
Table 7.12 European 2018 Market Share Estimates for OE & Aftermarket Audio-only Source Units
Table 7.13 European 2018 Market Share Estimates for OE & Aftermarket Source Units
Table 7.14 European 2018 Market Share Estimates for OE & Aftermarket Front Seat Infotainment Systems
Table 7.15 European 2018 Market Share Estimates for OE & Aftermarket Rear Seat Entertainment Systems
Table 7.16 Japanese 2018 Market Share Estimates for OE & Aftermarket Automotive Source Units

Table 7.17 Japanese 2018 Market Share Estimates for OE & Aftermarket Audio-only Source Units
Table 7.18 Japanese 2018 Market Share Estimates for OE & Aftermarket Front Seat Infotainment Systems
Table 7.21 Chinese 2018 Market Share Estimates for OE & Aftermarket Automotive Source Units
Table 7.22 Chinese 2018 Market Share Estimates for OE & Aftermarket Audio-only Source Units
Table 7.23 Chinese 2018 Market Share Estimates for OE & Aftermarket Source Units
Table 7.24 Chinese 2018 Market Share Estimates for OE & Aftermarket Rear Seat Entertainment Systems

List of Figures
Figure 1 Automotive Audio, Infotainment & Navigation Systems Comparisons with Historical Revenue Forecasts
Figure 2 Global Light Vehicle Sales by Region
Figure 3 Automotive Source Units - Unit Summary by System
Figure 4 Automotive Source Units - Revenue Summary by System
Figure 5 Audio-only Source Unit Shipments by Media Format
Figure 6 Embedded Navigation Systems Shipments by System Type
Figure 7 Embedded Navigation Systems Shipments by Region
Figure 8 Regional Shipments of Automotive Source Units with Smartphone Integration
Figure 9 Regional Shipments of Automotive Source Units with Integrated Bluetooth
Figure 10 Automotive Source Unit Shipments by Media Format
Figure 11 Automotive Audio, Infotainment & Navigation Systems - Revenue Summary by Region
Figure 12 Automotive Audio, Infotainment & Navigation Systems - North American Revenue Summary by Type
Figure 13 Automotive Audio, Infotainment & Navigation Systems - European Revenue Summary by Type
Figure 14 Automotive Audio, Infotainment & Navigation Systems - Japanese Revenue Summary by Type
Figure 15 Automotive Audio, Infotainment & Navigation Systems - Chinese Revenue Summary by Type
Figure 16 Automotive Audio, Infotainment & Navigation Systems - South Korean Revenue Summary by Type
Figure 17 Automotive Audio, Infotainment & Navigation Systems - Indian Revenue Summary by Type
Figure 18 Automotive Audio, Infotainment & Navigation Systems - Russian Revenue Summary by Type
Figure 19 Automotive Audio, Infotainment & Navigation Systems - Brazilian Revenue Summary by Type
Figure 20 Automotive Audio, Infotainment & Navigation Systems - Rest of the World Revenue Summary by Type

www.semicast.net
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 and has more than twenty years of experience as an industry analyst.

About Semicast

Founded in 2006, Semicast has an established reputation at most top 20 semiconductor suppliers, with areas of expertise covering industrial and medical electronics and semiconductors; industrial IoT; automotive electronic controllers; automotive audio, infotainment & navigation systems; automotive semiconductors; and 32-bit microcontrollers.

With more than twenty years of market research experience, our analysts use a combination of technical expertise, a proven method for producing electronics focused market research and specific applications knowledge to produce concise and timely research to help you make effective business decisions.

Semicast is a privately-held company and is not tied to any PR, media or financial organizations. This gives vital impartiality in making independent market forecasts, free of alternative agenda or bias.
Order Form

Scan & e-mail to: info@semicast.net | Fax to: +1 (408) 351-9400
Market Analysis and Forecasts to 2025 | Published November 2018

<table>
<thead>
<tr>
<th>Specify</th>
<th>License Type</th>
<th>Deliverables</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>[    ]</td>
<td>Enterprise</td>
<td>PDF + Excel by e-mail</td>
<td>$8,250</td>
</tr>
<tr>
<td>[    ]</td>
<td>5 User</td>
<td>PDF + Excel by e-mail</td>
<td>$6,750</td>
</tr>
<tr>
<td>[    ]</td>
<td>1 User</td>
<td>PDF by e-mail</td>
<td>$5,250</td>
</tr>
</tbody>
</table>

Notes:
- Analyst support time is included to answer all reasonable questions relating to forecasts and conclusions.
- PDF files are printable.
- Enterprise license permits storage of the research on the purchasing company's intranet for access by permanent company employees.
- VAT number must be quoted for orders from the EU. VAT will be added to orders from the UK.

Name: _______________________________________________________________________
Company: ________________________________ VAT # (EU only): ___________________________
Address: _____________________________________________________________________
Address: _____________________________________________________________________
Country: ____________________________ PO #: ____________________________
E-mail: _____________________________________________________________________
Date: ____________________________ Signature: ____________________________

METHOD OF PAYMENT

[    ] Purchase Order: Semicast will supply a formal quotation on receipt of this order form and the report will be e-mailed on receipt of the purchase order. Standard invoice payment terms are net 30 days.

[    ] Credit Card: MasterCard and Visa are accepted. You will receive a Payment Request by e-mail. Click “Pay Now” to enter your card details and make secure payment through our payment services provider (Worldpay). Your card details will not be transferred to Semicast.