Industrial Semiconductor Intelligence Service

Part of the Semiconductor Market Service Area Package
Complete examination of the semiconductor market for industrial electronics including competitive analyses of the top suppliers and purchasers

“Industrial semiconductors constitute an exciting and diverse market with $49 billion in revenues - almost 12% of the total semiconductor market. Omdia's Industrial Semiconductor Intelligence Service contains the broadest research coverage in the industry, including over 150 active suppliers, 25 semiconductor categories, and 9 application areas divided into over 90 sub-segments.”

Noman Akhtar
Senior Research Analyst, Industrial Semiconductors
Industrial Semiconductor Intelligence Service

Part of the Semiconductor Market Service Area Package

HOW OMDIA HELPS YOU

• Growth opportunities and market drivers
• Emerging markets and technologies
• Competitive environment
• Parameters impacting semiconductor content
• Detailed market data by region, type and application
• Semiconductor spend analysis

KEY QUESTIONS ADDRESSED

• What are the fastest growing segments?
• What are the key trends and regulations driving the market?
• Who are the suppliers and buyers of semiconductors for industrial electronics?
• Where are industrial electronics devices designed?
• What are the opportunities for fast growing markets?
Semiconductors Markets: Our Expert Analysts

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Senior Research Analyst

Jawad Tariq
Research Analyst

Carol Yang
Senior Research Analyst
Industrial Semiconductor: Deliverables

MARKET TRACKER
—Quarterly—
- Forecast by application
- Forecast by device class
  - Top suppliers
- Top OEM revenue & market shares

CASE STUDIES & ANALYSIS
—Ongoing—
- Industrial product case studies

ANALYST INSIGHTS
—Ongoing—
Analyst commentary on market shifts, technology and regional developments, vendors, events, and more.

PRESENTATIONS
—Quarterly—
Quarterly scheduled briefings with analysts on research highlights from all aspects of the market.

ANALYST ACCESS
—Ongoing—
For prompt responses to urgent and unique questions.
Industrial Semiconductor: Market Tracker

Forecast for 30 device categories and 80 industrial segments, including revenues by semiconductor type and application field. ISMT ranks top suppliers by application segment; The geographic coverage includes activity in over 40 countries.

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<td>• Manufacturing &amp; Process Automation</td>
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<td>• Medical Electronics</td>
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## Industrial Semiconductor: Research Coverage

### Industrial Semiconductor Market Tracker

#### SEMICONDUCTOR CATEGORIES

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<th>Analog IC</th>
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<tr>
<td>• General purpose logic</td>
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<tr>
<td>• Logic application specific IC</td>
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</table>

#### Sensors & Actuators

- RF & Microwave
- Power transistor, thyristor, rectifier & power diode
- Small signal & other discretes

#### Discretes

- Digital signage (LED video wall, non-LED video wall, stadium display, advertising), power tool (construction, lawn & garden), rails traction, Ebikes traction

#### Optical Semiconductor

- Image sensors
- LEDs
- Other optical components

#### Logic IC

- Microprocessor (MPU)
- Microcontroller (MCU)
- Digital signal processor

#### Memory IC

- DRAM
- Flash memory
- Other memory

#### Microcomponent IC

- Processor (MPU)
- Microcontroller (MCU)
- Digital signal processor

#### Analog IC

- Analog application specific IC
- General purpose analog

#### Logic IC

- General purpose logic
- Logic application specific IC

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### APPLICATIONS (75+ SEGMENTS)

#### Building & Home Automation

- Fire detector/smoke detector, manual call point, notification product, thermostat, HVAC, office/commercial, lighting, street lighting, residential lighting, accessibility lift, dumbwaiter, elevators, escalator, moving walkways

#### Military & Civil Aerospace

- Avionics, missiles & munitions, satellites, homeland security, terrestrial transport

#### Power & Energy

- PV inverters, EV charging station, wind turbine, UPS, power supply, smart meter

#### Other Industrial

- Digital signage (LED video wall, non-LED video wall, stadium display, advertising), power tool (construction, lawn & garden), rails traction, Ebikes traction

#### Manufacturing & Process Automation

- PLC, CNC, DCS, industrial PC, low voltage motor drive, medium voltage motor drive, servo motor drive,
- soft starters, stepper motor

#### Medical Electronics

- Hearing aid, blood glucose meters, pulse oximeter, blood pressure monitor, patient monitoring, neonatal devices, ventilator, dialysis machine, external defibrillator, ICD, pacemaker, infusion pump, nebulizers, oxygen therapy devices, MRI, X-ray, CT scan, ultrasound, endoscopy

#### Security & Video Surveillance

- Digital video surveillance and network IP cameras, analog video surveillance and analog cameras, DVR, NVR
Industrial Semiconductor: Market Tracker Sample Index

- Total market for semiconductor in industrial markets
- Total industrial semiconductor market revenue by component
- Total industrial semiconductor market revenue by application field
- Total market by application field and by semiconductor device
- Total market by application field and by semiconductor device
- Market unit shipment by pivot
- Total market unit shipment by application field and by semiconductor device
- Geographic breakout by region/country of design
- Geographic breakout by region/country of design
- Breakout of revenue of top 20 semiconductor suppliers for the industrial markets, by application and by device category
- Top 20 semiconductor suppliers for industrial semiconductors in 2018 and 2019
- Top 10 semiconductor suppliers for industrial market by application
- Top 10 semiconductor suppliers for industrial market by device categories

- OEMs factory revenue
- OEM market shares by regional design spending location
- Definitions of applications
- Definitions of applications
- Definitions of semiconductor categories
- Methodology
- Comments tracker
About Omdia’s Semiconductor Market Research

Omdia’s leading semiconductor market research is provided by a highly experienced team of analysts. Many are industry veterans with deep technical background as well as hands-on market and product experience in their coverage area.

The foundation of all the coverage comes from primary research with the major semiconductor suppliers across the global industry. This insight feeds a global and regional view of the industry by technology and by application including historical and forecasted views presented through the CLT and AMFT solutions.

From this core data, the research is augmented through additional primary research to deliver China, Industrial and then an OEM spend and design activity views.
## Related Content: Semiconductor Service Area Coverage

### SERVICE AREA PACKAGE

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- **Kären Dyer**
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* The majority of Omdia technology research products and solutions were acquired by Informa in August 2019 and are now part of Omdia.