**TECHNOLOGY, MEDIA & TELECOM INTELLIGENCE SERVICE**

# Industrial Semiconductor

Complete examination of the semiconductor market for industrial electronics including competitive analyses of the top suppliers and purchasers

Real time access to a continuous flow of research across geographies, topics and application areas:

### Analyst Insights
Frequent analyst commentary on product launches, market news and analysis.

### Market Tracker
Historic and forecasted, delivered in Excel and in TRAX, an online analysis tool accompanied by written analysis.

### Report
Annual topical report addressing key focus areas with in-depth analysis on market and technology trends.

### Analyst Access
For prompt responses to urgent and unique questions.

## Clients of this Intelligence Service will receive:

**Semiconductor forecast for 25 device categories 80 industrial segments** – offers revenues by semiconductor type, application field and over 40 countries; updated quarterly.

**Competitive analysis** – provides graphical display of market share by application segment for the top-20 industrial semiconductor suppliers

**Case studies** – in-depth analysis of one industrial product per quarter; including semiconductor units, revenues and ASP forecasts with accompanying analysis on typical semiconductor BOM and trends affecting semiconductor content and market

**Sensors for Industrial IoT Topical Report** – reviews 150+ use cases of sensors and actuators for the Internet of Things (IoT), from wearables to smart cities and healthcare applications

## FEATURED TOPICS

– 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

# Research Coverage

## Semiconductor categories

### Analog IC
Analog application
  specific IC
General purpose analog

### Logic IC
General purpose logic
Logic application specific
  IC

### Sensors & Actuators
### Discretes
RF & Microwave
Power transistor, thyristor,
  rectifier & power diode
Small signal & other
  discretes

### Memory IC
DRAM
Flash memory
Other memory

### Microcomponent IC
Microprocessor (MPU)
Microcontroller (MCU)
Digital signal processor

### Optical Semiconductor
Image sensors
LEDs
Other optical components

## 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, E-bikes 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

| Measurements | Detail | Regions |
|---|---|---|
| Revenue | Semiconductor category | Americas |
| Unit shipments | Industrial segment | China |
| ASP | Industrial application | Japan |
| Market shares | Region / Country | Europe, Middle East, Asia (EMEA) |
| OEM spend | OEM | Rest of Asia Pacific |
| | Semiconductor supplier | 40+ countries |

## Sensors for Industrial IoT Topical Report Details

### Devices
Semiconductor (image sensors, photodiodes based sensors)
Non-semiconductors (plastic, ceramic, etc.)

### Applications
Automation, process control, environment/farming, smart cities, smart homes & buildings, smart grid, asset tracking, mobile machinery, energy, medical, military/aerospace, infrastructure (roads, bridges, etc.)

For more information ihsmarkit.com/technology

## About IHS Markit

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