Processors come in several varieties, with each one having strengths that make them a key part in driving the advancement of technologies such as AI, IoT, Security, and ADAS, putting them at the heart of innovations expected to change the world.

Kelson Astley
Senior Research Analyst
Processors Spotlight Service

Part of the Semiconductor Components Service Area Package

How Omdia Helps You

- Understand the global processors market and your positioning within it
- Navigate the transformative technologies affecting the overall processing market
- Develop research and marketing strategies optimized to target volume, growth and technological acumen

Key Questions Addressed

- What is heterogeneous processing, and why is it a fast-growing design strategy?
- What does the oncoming end to Moore’s law mean, and what is the processor industry’s reaction?
- Why are processors essential to the IoT?
- What processors are being used for AI and what makes them so special?
- What are the emerging processor technologies?
Semiconductor Components: Our Expert Analysts

Paul Pickering
Senior Research Analyst

Richard Eden
Principal Analyst

Manuel Tagliavini
Principal Analyst

Chee-Seng Tan
Research Analyst

Jawad Tariq
Research Analyst

Christopher Morris
Senior Research Analyst

Kelson Astley
Senior Research Analyst

Noman Akhtar
Senior Research Analyst
Processors Spotlight Service: Deliverables

**MARKET TRACKERS**
—Semi-annually—
- Microcontroller Market Tracker
- Processors for Graphics & Artificial Intelligence Market Tracker
- Processors for Network Infrastructure Market Tracker
- System-on-Chip (SoC) Market Tracker

**MARKET INSIGHTS**
—Ongoing—
Frequent analyst commentary on product launches, market news and analysis.

**REPORTS**
—Annual—
- Microprocessor (MPU) Market Report
- Processor Architecture Report
- Configurable Processor & Field Programmable Gate Array Report

**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.
## Processors: Market Trackers

### Microcontroller Market Tracker

**Frequency:** Semi-annually

Offers historic and five-year revenue forecast analysis approximately a hundred applications in six vertical markets as well as top market divisions, bit-class divisions and top suppliers.

### System-on-Chip (SoC) Market Tracker

**Frequency:** Semi-annually

Provides market size and growth trends analysis of the system-on-chip (SoC) market across approximately a hundred applications in six vertical markets.

### Processors for Network Infrastructure Market Tracker

**Frequency:** Semi-annually

Provides embedded market sizing and forecast for high-performance processors in network infrastructure including carrier, communications and premium cloud services provider, and more.

### Processors for Graphics & Artificial Intelligence Market Tracker

**Frequency:** Semi-annually

Examines graphics processing and embedded video analytics including GPUs, GPGPUs, and embedded graphics cores as solutions.
Processors: Reports

**Market Reports**

Mature or topical processor market scope featuring four-year historic and five-year forecasted market sizing and growth; base year competitive landscape with market share data, delivered in Excel with formatted tables and pivot data accompanied by written analysis

- Microprocessor (MPU) Market Report – Annual (New)
- Processor Architecture Report – Annual (New)
Research Coverage

MEASURES
• Units
• Revenues
• Market growth
• ASP
• Market shares

QUANTITATIVE CONTENT
• Relevant processor class details
  − Industry standard and emerging processor subclass breakouts
• Application details
  − Ranging from dozens to approximately 100 applications depending on processor type
• Regional market trends
• Technology or market channel-specific domain data
• Processor design penetration data
• Pivot data specific to the processor class
• Supplier lists

QUALITATIVE CONTENT
• Executive summary
• Scope
  − Context
  − Continuity update (historical and forecast adjustments)
• Processor class trends
  − Technologies
  − Design
  − Features
• Processor market trends
  − Application drivers
  − Forecast risk analysis
  − Adjacent markets
• Competitive landscape
  − Market share analysis
  − Mergers and acquisitions

VERTICAL MARKETS
• Automotive electronics
• Consumer electronics
• Data processing
• Industrial electronics
• Wired communications
• Wireless communications

FEATURED TOPICS
• Heterogeneous processing and its fast-growing design strategy
• The processor industry’s reaction to the end of Moore’s law
• Processors essential to the IoT
• Processors for AI
• Discrete and integrated signal processing
• Edge computing
• Data center processing
• Emerging processor technologies
• Processor news as available
About Omdia’s Semiconductor Components Research

Omdia’s leading semiconductor components 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 key component areas of processors and microcontrollers, MEMS and Sensors, Power discretes and modules, Power ICs, LED and Optical components are covered across numerous device categories and applications.

Their expertise is augmented and supported by the wide array of end equipment application and demand reporting, semiconductor manufacturing tracking and forecasting and spotlight services such as the semiconductor competitive landscape tool, the application market forecast tracker, the China semiconductor intelligence service and others.
## SERVICE AREA PACKAGE

### Memory & Storage
- DRAM Memory Intelligence Service
- Mobile & Embedded Memory Intelligence Service
- NAND Memory Intelligence Service
- SSD & HDD Storage Memory Intelligence Service

### Semiconductor Components
- Key Mobile Component Price Intelligence Service
- LED Intelligence Service
- Magnetic Sensors Report - 2019
- MEMS & Sensors for Consumer & Mobile Intelligence Service
- MEMS & Sensors Intelligence Service
- Microcontroller Market Tracker
- Optoelectronic Components Report - 2020
- Power Semiconductor Intelligence Service
- Processors for Graphics & Artificial Intelligence Market Tracker
- Processors for Network Infrastructure Market Tracker
- Processors Spotlight Service
- System-on-Chip (SoC) Market Tracker

### Semiconductor Manufacturing
- Global Semiconductor Manufacturing Market Tracker
- Pure Play Foundry Market Tracker
- Semiconductor Silicon Demand Forecast Tool

### Semiconductor Market
- China Semiconductor Intelligence Service
- Design Activity Tool
- Industrial Semiconductor Intelligence Service
- OEM Semiconductor Spend Tracker
- OEM Semiconductor Spending & Design Activity Intelligence Service
- Semiconductor Application Forecast AMFT Spotlight Service
- Semiconductor Competitive Landscape CLT Spotlight Service
- Semiconductor Forecast Scenario Tool
Our “Ask an Analyst” Service Provides Best in Class Customer Support

Whether you need guidance to navigate the service, information regarding our methodologies or you want to better understand a data trend, Omdia’s support team is here to help.

**Draw on our expertise**

- Make the right decisions
- Sanity-check your own findings
- Get the most out of your subscription
- Understand more about our methodologies

Our Ask an Analyst service gives you direct contact via telephone, email or face-to-face session with our expert analyst team:

- **Tom Coate**
  Customer Success Manager

- **Kären Dyer**
  Customer Success Manager

96% of our customers rate our service as Excellent or Very Good
ABOUT OMDIA

Omdia is a global technology research powerhouse, established following the merger of the research division of Informa Tech (Ovum, Heavy Reading, and Tractica) and the acquired Omdia technology research portfolio*. We combine the expertise of more than 400 analysts across the entire technology spectrum, covering 150 markets. We publish over 3,000 research reports annually, reaching more than 14,000 subscribers, and cover thousands of technology, media, and telecommunications companies.

Our exhaustive intelligence and deep technology expertise enable us to uncover actionable insights that help our customers connect the dots in today’s constantly evolving technology environment and empower them to improve their businesses—today and tomorrow.

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