China Semiconductor Components Intelligence Service

In-depth intelligence on China's evolving power discrete and module market, and the market for microcontrollers in China, backed by comprehensive data, forecasts and analysis.

Key Questions Answered

- How will the power discrete and module market evolve amid economic uncertainty and rising energy demands?
- What are the growth prospects in xEV, EV charging infrastructure and renewable energy sectors?
- How rapidly will SiC and GaN power devices grow in China?
- What are the leading application markets for MCUs in China, and how are demand patterns shifting across consumer, automotive, and industrial sectors?
- How will application-specific demand, product class and platform adoption evolve in the MCU?
- What product-level strategies are driving differentiation and localization among manufacturers?

What We Offer

- In-depth analysis of China's power discrete and module markets, from wafer production to application demand
- Tracks **50+** Chinese suppliers with device-level market share insights across EV, grid, renewable and industrial segments
- Full market view of China's MCU industry with **5**-year forecasts for **40+** application segments across automotive, industrial, consumer electronics, computing, wired, and wireless communications
- Breakdowns by MCU class (4-bit to 32-bit), revenue, unit shipments, ASPs and supplier market share

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SPEAK WITH OUR EXPERTS

China Semiconductor Components Intelligence Service

Delivering expert intelligence on China's semiconductor components

Key Deliverables

Market Trackers
Semi-annual Excel trackers database with historical and **5**-year forecast data for both MCU and power discrete module segments.

Market Analysis
A semi-annual deep dive analysis with key trends, forecasts and strategic insights across electrification and embedded systems.

Market Insights
Ongoing commentary covering market shifts, vendor strategies, and regional dynamics.

Analyst Access and Support
Direct engagement with Omdia experts via **Ask an Analyst** service to interpret market developments, validate assumptions and support strategic decisions.

Scope of Work

Power Discrete and Module

- **Device coverage**: Bipolar power transistors, silicon power MOSFETs, SiC and GaN transistors, IGBTs, rectifier diodes, thyristors, power modules (IGBT, SiC, hybrid, IPM, PIM) and power stacks
- **Wafer data**: Material (Si, SiC, GaN), wafer size (4–12"), company type (foundry, IDM)
- **Applications**: Automotive, xEV powertrain, EV chargers, renewable energy, industrial drives, consumer electronics, computing, communications, transport, and lighting
- **Vendors**: Market share analysis of **50+** Chinese suppliers by device and module type
- **Metrics**: Revenue, unit shipment, market share, penetration by Chinese players

Microcontroller (MCU)

- **Device coverage**: 4-bit, 8-bit, 16-bit and 32-bit MCUs
- **Applications**: Automotive electronics, industrial electronics, consumer electronics, computing & data storage, wired and wireless communications
- **Vendors**: Supplier-level revenue tracking and China market share
- **Metrics**: MCU revenue, unit shipments, average selling price (ASP), market share by class and application

Forecast Horizon: 2–3 years of history with **5**-year annual forecast

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