

ASEAN Semiconductor Packaging Industry Research Report 2026-2030

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Abstracts

Semiconductor packaging is a crucial link in the semiconductor industry chain that connects chip manufacturing with end-electronic applications. It mainly undertakes functions such as chip protection, electrical connection, signal transmission, heat dissipation management and mechanical support.

Semiconductor packaging technology has gradually evolved from traditional to advanced packaging, driven by the ever-increasing demands for chip performance, power efficiency, and integration in fields such as artificial intelligence, high-performance computing, 5G communications, automotive electronics, and advanced memory.

The semiconductor packaging industry chain primarily comprises upstream core packaging materials, midstream semiconductor packaging and testing, and downstream application markets.

ASEAN is the most important regional cooperation organization in Southeast Asia, with a current population of over 680 million and an economic output of over US\$ 4 trillion. In recent years, ASEAN's strategic position within the global economic system has continued to rise.

The semiconductor packaging market in ASEAN has maintained rapid growth in recent years, driven primarily by multiple factors such as the regionalization of the global semiconductor supply chain and the relocation of the electronics manufacturing industry.

According to CRI's analysis, ASEAN currently primarily handles the back-end packaging

and testing stages of the semiconductor industry chain, occupying a significant position in the global semiconductor supply chain.

According to estimates by CRI, the market size is projected to reach approximately US\$ 7.0 billion in 2026. With a forecasted compound annual growth rate (CAGR) of around 11.0% between 2026 and 2030, the market size is expected to reach US\$ 10.5 billion by 2030.

CRI recommends that global semiconductor packaging companies, wafer manufacturers, semiconductor chip design firms, semiconductor equipment companies, international AI enterprises, private equity (PE) funds and venture capital (VC) firms conduct timely market research on the ASEAN region to prepare for their strategic entry into the ASEAN semiconductor packaging market.

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