

Development of Domain Controllers in Centralized EEA Architecture

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Abstracts

The vehicle electrical and electronic architecture (EEA) is evolving towards a centralized domain structure. Based on functional centralization and partitioning, leading international brands have divided automotive electronic control systems into a five-domain framework. The advanced driver assistance systems (ADAS) and cockpit domains are the first to adopt domain controllers, significantly enhancing computational efficiency and fostering new cooperation models within the industry. This report provides an in-depth analysis of the development trends within each domain under the centralized EEA architecture, examines the domain controller products of leading companies, and explores new cooperation models within the supply chain.

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