

Development Trends of AI Servers: From Full System to Rack-Level Design

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Abstracts

Since the beginning of 2024, the artificial intelligence (AI) server market has experienced a significant surge, with numerous manufacturers unveiling their latest AI server products at Computex 2024. In addition to the servers themselves, major chipmakers like Nvidia, AMD, and Intel also showcased a wide array of rack-level and thermal management solutions, with the Nvidia DGX GB200 NVLink 72 standing out as a key product. This shift marks an important development for pure server manufacturers, who are now focusing not only on server production but also on advancing into the supply chain for rack-level solutions. This report provides insights into the latest development trends in the AI server market, examining the new rollouts from leading GPU suppliers. It also explores the major product strategies of prominent AI server manufacturers such as Supermicro, Ingrasys, QCT, and Gigabyte, alongside traditional server manufacturers like Wiyynn, Inventec, and Tyan, as revealed through their product launches at Computex 2024.

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