

The Implications of Huawei's Latest Mobile Chip for Semiconductor Manufacturing Process Advancements in China

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Date: October 2023

Pages: 7

Price: US\$ 800.00 (Single User License)

ID: IE813187EE16EN

Abstracts

On August 29, 2023, Huawei launched its new high-end flagship smartphone, the Mate 60 Pro. The application processor chip, Kirin 9000S, featured in it is produced using SMIC's 7-nanometer process. This demonstrates that China, through SMIC, has gained the manufacturing capacity for advanced semiconductor processes. This report analyzes the technical aspects of SMIC's 7-nanometer advanced process, estimates its actual production capacity, and explores the impact of this development on the global and Taiwanese semiconductor industry.

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