超移动设备微处理器研究报告

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一、报告简介

观研报告网发布的《超移动设备微处理器研究报告》涵盖行业最新数据，市场热点，政策规划，竞争情报，市场前景预测，投资策略等内容。更辅以大量直观的图表帮助本行业企业准确把握行业发展态势、市场商机动向、正确制定企业竞争战略和投资策略。本报告依据国家统计局、海关总署和国家信息中心等渠道发布的权威数据，以及我中心对本行业的实地调研，结合了行业所处的环境，从理论到实践、从宏观到微观等多个角度进行市场调研分析。

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二、报告目录及图表目录

摘要Why is the ultra mobile device (UMD) segment so important? Because it is likely to be the next billion units of gold for semiconductor and consumer electronics vendors, while driving a new level of innovation through communication standards, Internet applications, and service and usage models.

This report examines one of the most critical issues in the UMD market: the battle between processor architectures, which are the hearts and brains of these new devices. The leading contenders in this battle include the x86 camp, led by Intel, and the ARM camp, led by companies like Freescale, NVIDIA, Qualcomm, Samsung, and Texas Instruments.

The following information is included in the report: Overview of the market and drivers for UMDs. Company background, manufacturing strategies, product strategies, and current product details from each of the key x86 and ARM companies, including AMD, ARM, Freescale, Intel, NVIDIA, Qualcomm, Samsung, STMicroelectronics, Texas Instruments, and VIA. Overview of the battle between the x86 and ARM architectures, including the current advantages and disadvantages of both. Predictions on how the market is likely to evolve. 目录及图表Executive Summary Introduction A Tale of Two Architectures: x86 vs. ARM Intel ARM Background Major ARM Licensees Texas Instruments (TI) Freescale Qualcomm NVIDIA Samsung VIA Technologies VIA’s Mobile and Ultra-Mobile Microprocessors VIA C7-M VIA Nano Others AMD STMicroelectronics Conclusion Methodology Intel’s Wafer Capacity Glossary List of Tables List of Figures Related In-Stat Reports List of Tables Table 1. Intel Fabrication Facilities and Estimated Wafer Capacities Table 2. Intel Atom Microprocessors Table 3. System Controller Hubs (SCHs) for the Centrino Atom Platform Table 4. Matrix of Atom Microprocessors to System Controller Hubs (SCHs)/Chipsets Table 5. ARM Cortex-A8 and Cortex-A9 (MP and Single) Microprocessor Cores Table 6. ARM 11 Microprocessor Cores Table 7. ARM 9 Microprocessor Cores Table 8. ARM Cortex Microprocessor Cores Table 9. Freescale i.MX Applications Processor Product Line Table 10. Qualcomm Snapdragon Applications Processors Table 11. NVIDIA Tegra SoCs Table 12. Samsung Applications Processors Table 13. VIA C7-M Microprocessors Table 14. VIA Nano Microprocessors Table 15. STMicroelectronics Nomadik Applications Processors List of Figures Figure 1. The Internet Touches Nearly All Aspects of Consumers’ Lives Figure 2. Paradigms: Increasing Miniaturization and Portability and Increasing Integration Figure 3. Block Diagram of the Intel Atom Low-Power Microprocessor Figure 4. Block Diagram of the Intel Poulsbo Chipset (Now Referred to as the System Controller Hub) Figure 5. Block Diagram of the

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