Tablet Application Processor - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

The Tablet Application Processor Market is expected to register a CAGR of 5% during the forecast period.

Key Highlights
- For GPS navigation applications, rugged tablets are becoming more popular. Tablets integrated with GPS can provide off-roaders with reliable navigation through the most unstable trails. Handheld Group launched Algiz RT10, an ultra-rugged tablet that can withstand water, dust, shock, and extreme temperatures. With a weight of only 980 grams, it is considered the lightest industrial tablet, with a built-in u-blox NEO M8U chipset for location tracking.
- More players are entering the market to try their luck. OnePlus, the chinese brand, announced the launch of its first tablet in India. The tablet is designed to make it easy for users to keep it in their hands for extended periods.
- The Covid-19 pandemic was the most critical time for Tablet Application Processor Market as the world advanced towards online content consumption. But due to the global lockdowns, the manufacturing sector had a significant impact, which disrupted the supply of basic components like semiconductors and chipsets. This ultimately affected the Tablet Application Processor Market.
- A major chip fab uses the water usage of about 300,000 households, i.e., equivalent to 10 million gallons per day. The scarcity of water may affect the manufacturing capabilities of the Processor Firms. Policies should be enforced by the respective Governments, mandating these manufacturing units to make water-saving investments for the sake of the neighborhood.

Tablet Application Processor Market Trends

Apple iOS to Witness Significant Growth Rate

- Over the years, Apple has strengthened its position in the tablet market and holds a brand value due to its robust user base. According to a survey, Apple was voted the best global brand for the 10th consecutive year.
- Apple's user-friendly and processor-efficient iPads distinguish them from other brands. With Slide Over or Split View, multitasking gets more accessible, and dragging and dropping content between apps with touch or a trackpad gets convenient. The cellular support in iPad keeps users connected from anywhere, even if wi-fi is far at distance. Apple beat Microsoft by introducing Rosetta 2 with 64-bit emulation and switched its entire Mac lineup away from Intel.
- June 2022 - Apple launched away. M2 chip embedded with power-efficient performance delivers a faster CPU, GPU, and Neural Engine. Compared to its past generation chip series M2 is loaded with 20 billion transistors and second-generation 5nm process technology. At the same power level, the CPU in the M2 offers approximately twice the performance.M2 uses only one-fourth of the power and achieves over 90% of the 12-core chip's maximum performance. The M2 GPU provides 2.3 times quicker performance. Enables devices to run cool and silently while maintaining excellent battery life, even while playing graphically intensive games or processing large RAW photographs.
- January 2023 - As Apple takes the next step towards innovation, it discontinued manufacturing its wi-fi chips. Apple plans to launch advanced 3nm chips and is busy developing and researching. Apple plans to make in-house components in the coming days, aiming for minimal dependency on outside vendors. Broadcom will keep supplying the tech giant with wi-fi chips.

North America Accounts for Significant Market Share

- North America holds a significant portion of the market, and due to the presence of numerous international companies, the market there is expanding faster than in other regions. Also, as the average cost of consumer tablets in the United States declined, the demand surged, necessitating a greater need for tablet application processors. Samsung and Apple are the two companies with the largest market shares.
- Apple IR said iPad sales exceeded 9000 USD million in Q4 2022. America was the major contributor to Apple's sales, with 0.05 million USD in the year-ending quarter of 2022.
- The Galaxy Tab S8 series received higher preorders in the first week than its previous Samsung tablets. There were three models of the tab launched, and Galaxy Tab S8 Ultra contributed 50% of sales towards all three models. This premium tablet series from Samsung is its most distinguished product with features like multitasking, an immersive display, a super-smooth S Pen, and access to an open ecosystem for work and pleasure. It comes with 5G connectivity, Snapdragon 8 Gen 1 chipset supporting 4nm processor technology, Octa-core, and a high processing speed of 3GHz. Samsung Flow feature enables seamless file transfers between the tablet and Computer, in addition to receiving PC notifications on the tablet and vice versa.

Tablet Application Processor Industry Overview

There is intense competition with several providers of Tablet Application Processors. Due to high competency, the market concentration will be low. Market share for tablet application processors is slowly but steadily shifting from consolidated to fragmented, and manufacturers are introducing new processing technology to compete in the market. However, the market is dominated by global players such as Qualcomm Technologies Inc., MediaTek Inc., etc. Recent developments in the market are :

- February 2023 - NXP India, a division of NXP Semiconductors, and the Indian Ministry of Commerce and Industry organized an event called Startup India Hub. This event will mentor startups to develop embedded products for mobile, communication, industrial, and internet infrastructures. This way, startups can present their commercial value proposition to NXP and industry

partners. NXP India aims to strengthen India's position in developing environmentally friendly technology by picking the hidden potential of these startups.
- July 2022 - MediaTek collaborated with Intel to manufacture smart edge devices through Intel's Foundry Services. Intel's ideal combination of cutting-edge process technology and graphically flexible capacity will offer MediaTek to produce the following billion connected devices for various applications. After deep analysis and calculating the supply chain issues with eastern hemisphere countries like Taiwan, and China, MediaTek chose a western hemisphere company. Currently, MediaTek powers more than 2 billion devices annually, which will add to business growth for Intel by getting access to the chipset leader's portfolio.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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