

The 2023-2028 Outlook for Semiconductors in Japan

<https://marketpublishers.com/r/2EE9654FCD48EN.html>

Date: November 2022

Pages: 234

Price: US\$ 595.00 (Single User License)

ID: 2EE9654FCD48EN

Abstracts

This study covers the latent demand outlook for semiconductors across the prefectures and cities of Japan. Latent demand (in millions of U.S. dollars), or potential industry earnings (P.I.E.) estimates are given across over 1,000 cities in Japan. For each city in question, the percent share the city is of its prefecture and of Japan as a whole is reported. These comparative benchmarks allow the reader to quickly gauge a city vis-à-vis others. This statistical approach can prove very useful to distribution and/or sales force strategies. Using econometric models which project fundamental economic dynamics within each prefecture and city, latent demand estimates are created for semiconductors. This report does not discuss the specific players in the market serving the latent demand, nor specific details at the product level. The study also does not consider short-term cyclicalities that might affect realized sales. The study, therefore, is strategic in nature, taking an aggregate and long-run view, irrespective of the players or products involved.

In this report we define the sales of semiconductors as including all commonly understood products falling within this broad category, irrespective of product packaging, formulation, size, or form. Companies participating in this industry include Advanced Micro Devices, Air Products & Chemicals, Albemarle Corporation, AMD, Amkor Technology, Analog Devices, Apple, Applied Materials, Ashland, Inc., BASF, Bharat Electronics, Bourns, Bright Led Electronics, Broadcom, Cabot Microelectronics, Carlo Gavazzi Holding, CML Technologies GmbH & Company, Cree, Cypress Semiconductor Corporation, Digi International, Diodes, DowDuPont, Efficient Power Conversion, ELAN Microelectronics, eMagin, Fujifilm, Fujitsu, GaN Systems, GCT Semiconductor, Global Semiconductor Alliance (GSA) had named NVIDIA Corporation, Hitachi, Honeywell International, Inc., Infineon, Intel, IPG Photonics, JSM, Kingston Technology Company, KMG Chemicals, Lattice Semiconductor, Linde Group, Linear Technology, Lite-on Semiconductor, Maxim Integrated Products, MediaTek, Melexis, Microchip Technology, Micron, Microsemi Corporation, MOSPEC Semiconductor, N X P

Semiconductors, NXP, Oki Electric Industry Company, OmniVision Technologies, Inc. (OVT), ON Semiconductor Corporation, Qorvo, Qualcomm, Renesas, Robert Bosch GmbH, ROHM Company, Samsung, Seiko Epson Corporation, Semtech, SK Hynix, Sony, STMicroelectronics, Taiwan Semiconductors Manufacturing Company, Texas Instruments, TI, TOREX Semiconductor, Toshiba, Transphorm, Vishay Intertechnology, Western Digital, and Wolfspeed. In addition to the sources indicated, additional information available to the public via news and/or press releases published by players in the industry was considered in defining and calibrating this category. All figures are in a common currency (U.S. dollars, millions) and are not adjusted for inflation (i.e., they are current values). Exchange rates used to convert to U.S. dollars are averages for the year in question. Future exchange rates are assumed to be constant in the future at the current level (the average of the year of this publication's release in 2022).

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