

# Global Capacitive Touch Sensor IC Market Growth 2023-2029

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# Abstracts

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The capacitive screen touch chip plays a role in detecting and controlling the mutual capacitance sensor. Its working principle is: the mutual capacitance touch screen is made of transparent ITO conductive material on the glass surface into a horizontal (X) and vertical (Y) electrode array (see Figure 1 below) ), the vertical and horizontal electrodes form a capacitance with each other. When a finger touches the surface of the capacitive screen, the human body affects the electric field between the vertical and horizontal electrodes, thereby changing the capacitance between the two electrodes (see Figure 2 below). When the chip is working, the driving electrodes sequentially output specific excitation signals, and the sensing electrodes synchronously detect the received signals. From this, the size of all capacitors can be obtained, that is, a set of two-dimensional matrix data representing the size of the mutual capacitance of the capacitive screen, according to the matrix The data changes to calculate the coordinates of the finger, that is, the touch point. At the same time, because the detection data is two-dimensional, it can truly reflect the data changes of multiple touch points, thereby realizing multi-touch.

LPI (LP Information)' newest research report, the "Capacitive Touch Sensor IC Industry Forecast" looks at past sales and reviews total world Capacitive Touch Sensor IC sales in 2022, providing a comprehensive analysis by region and market sector of projected Capacitive Touch Sensor IC sales for 2023 through 2029. With Capacitive Touch Sensor IC sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Capacitive Touch Sensor IC industry.



This Insight Report provides a comprehensive analysis of the global Capacitive Touch Sensor IC landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Capacitive Touch Sensor IC portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Capacitive Touch Sensor IC market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Capacitive Touch Sensor IC and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottomup qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Capacitive Touch Sensor IC.

The global Capacitive Touch Sensor IC market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for Capacitive Touch Sensor IC is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for Capacitive Touch Sensor IC is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for Capacitive Touch Sensor IC is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key Capacitive Touch Sensor IC players cover Azoteq, Cypress Semiconductor, Fujitsu, IDEC, ISSI, Microchip, Ohmite, ON Semiconductor and Renesas Electronics, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

This report presents a comprehensive overview, market shares, and growth opportunities of Capacitive Touch Sensor IC market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:



### Segmentation by type

- 1 Channel
- 2 Channel
- 3 Channel
- 4 Channel
- 5 Channel
- Other

Segmentation by application

**Consumer Electronics** 

Automotive

Manufacturing

Medical Industry

Other

This report also splits the market by region:

Americas

**United States** 

Canada

Mexico

Brazil



#### APAC

China

Japan

Korea

Southeast Asia

India

#### Australia

### Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

**GCC** Countries



The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Azoteq **Cypress Semiconductor** Fujitsu IDEC ISSI Microchip Ohmite **ON Semiconductor Renesas Electronics ROHM Semiconductor** Schurter Seeed Studio Semtech Silicon Laboratories **Texas Instruments** 

Key Questions Addressed in this Report

What is the 10-year outlook for the global Capacitive Touch Sensor IC market?



What factors are driving Capacitive Touch Sensor IC market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Capacitive Touch Sensor IC market opportunities vary by end market size?

How does Capacitive Touch Sensor IC break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?



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