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Touchscreen Controllers Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028F Segmented By Technology (Resistive, Capacitive, Acoustic, and Optical), By Interface (Inter-Integrated Circuit (I2C), Serial Peripheral Interface (SPI), Universal Serial Bus (USB), Universal Asynchronous Receiver/Transmitter (UART) and Others), By Screen Size (Small and Medium-sized Screens, and Large Screen) By End Use Industry (BFSI, Consumer Electronics, Automotive, Retail, Healthcare, Industrial and Others) By Region, By Competition

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Abstracts

Global Touchscreen Controllers market is expected to grow at a significant CAGR during the forecast period.

Over the past few years, touchscreen technology and the devices that use it have gained enormous popularity. A touch screen is a type of electronic visual display that can identify when and where a user has touched the screen. In most cases, the phrase refers to a hand or finger, or a stylus pen contacting the device display. A touch screen is typically present to physically interact with what is displayed on the screen known as 'direct manipulation'). Gesture-based technology that can be directly operated is known as touch screen technology. This technology is most used in computers, user interactive machines, smartphones, tablets, and other electronic devices to replace most of the

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mouse and keyboard functions.

The touch sensor and the PC are connected by a small PC card called the controller. It converts information from the touch sensor into information that the PC can understand.

Increase in Demand for Consumer Electronics

Wearable health monitors, entertainment devices, and smart home technology are cohesively becoming increasingly popular in the consumer electronics sector. Customers are anticipated to prefer energy-efficient smart home products such as smart lightbulbs, switches, and thermostats to reduce high electricity bills.

With the aid of fitness equipment and smartwatches, tracking health has become simpler. In addition to these advantages, advancements in at-home health monitoring are being made that enable efficient monitoring of blood pressure, diabetes, and other similar conditions. Due to ongoing improvements in display quality, the future of entertainment in the world of constant entertainment is predicted to revolve around cloud gaming, AR and VR, and OLED TVs. Therefore, with the increase in demand for consumer electronics, there is an increased need for touch screen controllers.

Rising Demand for Automation in the Workplace

Digitization helps companies in a wide range of ways. Modern working life has evolved dramatically in the last decade. Working habits and communications are more adaptable and digital, than ever before, which is largely due to the millennial workforce's expansion. Moreover, the traditional office space, has also evolved into the digital collaborative working platforms. As a result, increasingly sophisticated products and systems are required. Therefore, touchscreen controllers play a critical role in physically and digitally empowering workplaces.

Rising Demand for Touch Screen Across Major End User Industries

Consumer electronics such as smartphones, tablets, laptops, and wearables with capacitive screens are often used by using touchscreen controllers. Additionally, the market growth is being boosted by the widespread use of touchscreen panels in infotainment systems in cars, home appliances, and kiosks for banking and retail. For instance, automated teller machines (ATMs), equipped with touchscreens, can handle complex banking tasks like cheque cashing, money order processing, account transfers, and loan application. Other growth-promoting factors include various technological

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developments, such as the incorporation of gesture recognition systems in touch screens for slide, pinch-to-zoom, swipe, twist, and press-and-hold functions.

Market Segmentation

Global Touchscreen Controllers market can be segmented into Technology, Interface, Screen Size, end use industry, and region. Based on Technology, the market can be segmented into Resistive, Capacitive, Acoustic, and Optical. By Interface, the market can be segmented into Inter-Integrated Circuit (I2C), Serial Peripheral Interface (SPI), Universal Serial Bus (USB), Universal Asynchronous Receiver/Transmitter (UART) and Others. By Screen Size, the market can be segmented into Small and Medium-sized Screens, and Large Screen, By end use industry the market can be segmented into BFSI, Consumer Electronics, Automotive, Retail, Healthcare, Industrial and Others.

Market Players

There are several significant players in the fiercely competitive market for global touch screen controllers. Currently, only a few major players control the majority of the market in terms of market share. Major market players in the Global Touchscreen Controllers market are NXP Semiconductors, Texas Instruments Incorporated, STMicroelectronics, Microchip Technology Inc., Integrated Device Technology Inc., Synaptics Incorporated, Semtech Corporation, MELFAS Co. Ltd., SAMSUNG Electronics Co. Ltd., and Analog Devices Inc. The businesses are working hard to innovate and gain a competitive edge over rivals, and they are creating unique products for various uses.

Report Scope:

In this report, the Global Touchscreen Controllers market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Global Touchscreen Controllers Market, By Technology:

Resistive

Capacitive

Acoustic

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Optical

Global Touchscreen Controllers Systems Market, By Interface:

Inter-Integrated Circuit (I2C)

Serial Peripheral Interface (SPI)

Universal Serial Bus (USB)

Universal Asynchronous Receiver/Transmitter (UART)

Other

Global Touchscreen Controllers Systems Market, By Screen Size

Small and Medium screen

Large screen

Global Touchscreen Controllers Systems Market, By End Use Industry:

BFSI

Consumer Electronics

Automotive

Retail

Healthcare

Industrial

Others

Global Touchscreen Controllers Market, By Region:

North America

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- United States
- Canada
- Mexico

Asia-Pacific

- China
- India
- Japan
- South Korea
- Australia
- Singapore
- Malaysia

Europe

- Germany
- United Kingdom
- France
- Italy
- Spain
- Poland
- Denmark

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South America

Brazil

Argentina

Colombia

Peru

Chile

Middle East & Africa

Saudi Arabia

South Africa

UAE

Iraq

Turkey

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Touchscreen Controllers market.

Available Customizations:

Global Touchscreen Controllers market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to 15).

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Contents

1. Product Overview

2. RESEARCH METHODOLOGY

3. IMPACT OF COVID-19 ON GLOBAL TOUCHSCREEN CONTROLLERS MARKET

4. EXECUTIVE SUMMARY

5. VOICE OF CUSTOMERS

6. GLOBAL TOUCHSCREEN CONTROLLERS OUTLOOK

6.1. Market Size & Forecast
  6.1.1. By Value
6.2. Market Share & Forecast
  6.2.1. By Technology (Resistive, Capacitive, Acoustic, and Optical)
  6.2.2. By Interface (Inter-Integrated Circuit (I2C), Serial Peripheral Interface (SPI), Universal Serial Bus (USB), Universal Asynchronous Receiver/Transmitter (UART) and Other)
  6.2.3. By Application (Small and Medium-sized Screens, and Large Screen)
  6.2.4. By End Use Industry (BFSI, Consumer Electronics, Automotive, Retail, Healthcare, Industrial and Others)
  6.2.5. By Region
6.3. By Company (2022)
6.4. Market Map

7. NORTH AMERICA TOUCHSCREEN CONTROLLERS OUTLOOK

7.1. Market Size & Forecast
  7.1.1. By Value
7.2. Market Share & Forecast
  7.2.1. By Technology
  7.2.2. By Interface

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info@marketpublishers.com

7.2.3. By Screen Size
7.2.4. By End Use Industry
7.2.5. By Country
7.3. North America: Country Analysis
7.3.1. United States Touchscreen Controllers Outlook
7.3.1.1. Market Size & Forecast
7.3.1.1.1. By Value
7.3.1.2. Market Share & Forecast
7.3.1.2.1. By Technology
7.3.1.2.2. By Interface
7.3.1.2.3. By Screen Size
7.3.1.2.4. By End Use Industry
7.3.2. Canada Touchscreen Controllers Outlook
7.3.2.1. Market Size & Forecast
7.3.2.1.1. By Value
7.3.2.2. Market Share & Forecast
7.3.2.2.1. By Technology
7.3.2.2.2. By Interface
7.3.2.2.3. By Screen Size
7.3.2.2.4. By End Use Industry
7.3.3. Mexico Touchscreen Controllers Outlook
7.3.3.1. Market Size & Forecast
7.3.3.1.1. By Value
7.3.3.2. Market Share & Forecast
7.3.3.2.1. By Technology
7.3.3.2.2. By Interface
7.3.3.2.3. By Screen Size
7.3.3.2.4. By End Use Industry

8. ASIA-PACIFIC TOUCHSCREEN CONTROLLERS OUTLOOK

8.1. Market Size & Forecast
8.1.1. By Value
8.2. Market Share & Forecast
8.2.1. By Technology
8.2.2. By Interface
8.2.3. By Screen Size
8.2.4. By End Use Industry
8.2.5. By Country

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8.3. Asia-Pacific: Country Analysis
8.3.1. China Touchscreen Controllers Outlook
8.3.1.1. Market Size & Forecast
8.3.1.1.1. By Value
8.3.1.2. Market Share & Forecast
8.3.1.2.1. By Technology
8.3.1.2.2. By Interface
8.3.1.2.3. By Screen Size
8.3.1.2.4. By End Use Industry
8.3.2. India Touchscreen Controllers Outlook
8.3.2.1. Market Size & Forecast
8.3.2.1.1. By Value
8.3.2.2. Market Share & Forecast
8.3.2.2.1. By Technology
8.3.2.2.2. By Interface
8.3.2.2.3. By Screen Size
8.3.2.2.4. By End Use Industry
8.3.3. Japan Touchscreen Controllers Outlook
8.3.3.1. Market Size & Forecast
8.3.3.2. By Value
8.3.3.3. Market Share & Forecast
8.3.3.3.1. By Technology
8.3.3.3.2. By Interface
8.3.3.3.3. By Screen Size
8.3.3.3.4. By End Use Industry
8.3.4. South Korea Touchscreen Controllers Outlook
8.3.4.1. Market Size & Forecast
8.3.4.1.1. By Value
8.3.4.2. Market Share & Forecast
8.3.4.2.1. By Technology
8.3.4.2.2. By Interface
8.3.4.2.3. By Screen Size
8.3.4.2.4. By End Use Industry
8.3.5. Australia Touchscreen Controllers Outlook
8.3.5.1. Market Size & Forecast
8.3.5.1.1. By Value
8.3.5.2. Market Share & Forecast
8.3.5.2.1. By Technology
8.3.5.2.2. By Interface

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8.3.5.2.3. By Screen Size
8.3.5.2.4. By End Use Industry
8.3.6. Singapore Touchscreen Controllers Outlook
8.3.6.1. Market Size & Forecast
8.3.6.1.1. By Value
8.3.6.2. Market Share & Forecast
8.3.6.2.1. By Technology
8.3.6.2.2. By Interface
8.3.6.2.3. By Screen Size
8.3.6.2.4. By End Use Industry
8.3.7. Malaysia Touchscreen Controllers Outlook
8.3.7.1. Market Size & Forecast
8.3.7.1.1. By Value
8.3.7.2. Market Share & Forecast
8.3.7.2.1. By Technology
8.3.7.2.2. By Interface
8.3.7.2.3. By Screen Size
8.3.7.2.4. By End Use Industry

9. EUROPE TOUCHSCREEN CONTROLLERS OUTLOOK

9.1. Market Size & Forecast
9.1.1. By Value
9.2. Market Share & Forecast
9.2.1. By Technology
9.2.2. By Interface
9.2.3. By Screen Size
9.2.4. By End Use Industry
9.2.5. By Country
9.3. Europe: Country Analysis
9.3.1. Germany Touchscreen Controllers Outlook
9.3.1.1. Market Size & Forecast
9.3.1.1.1. By Value
9.3.1.2. Market Share & Forecast
9.3.1.2.1. By Technology
9.3.1.2.2. By Interface
9.3.1.2.3. By Screen Size
9.3.1.2.4. By End Use Industry
9.3.2. United Kingdom Touchscreen Controllers Outlook

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9.3.2.1. Market Size & Forecast
9.3.2.1.1. By Value
9.3.2.2. Market Share & Forecast
9.3.2.2.1. By Technology
9.3.2.2.2. By Interface
9.3.2.2.3. By Screen Size
9.3.2.2.4. By End Use Industry
9.3.3. France Touchscreen Controllers Outlook
9.3.3.1. Market Size & Forecast
9.3.3.1.1. By Value
9.3.3.2. Market Share & Forecast
9.3.3.2.1. By Technology
9.3.3.2.2. By Interface
9.3.3.2.3. By Screen Size
9.3.3.2.4. By End Use Industry
9.3.4. Italy Touchscreen Controllers Outlook
9.3.4.1. Market Size & Forecast
9.3.4.1.1. By Value
9.3.4.2. Market Share & Forecast
9.3.4.2.1. By Technology
9.3.4.2.2. By Interface
9.3.4.2.3. By Screen Size
9.3.4.2.4. By End Use Industry
9.3.5. Spain Touchscreen Controllers Outlook
9.3.5.1. Market Size & Forecast
9.3.5.1.1. By Value
9.3.5.2. Market Share & Forecast
9.3.5.2.1. By Technology
9.3.5.2.2. By Interface
9.3.5.2.3. By Screen Size
9.3.5.2.4. By End Use Industry
9.3.6. Poland Touchscreen Controllers Outlook
9.3.6.1. Market Size & Forecast
9.3.6.1.1. By Value
9.3.6.2. Market Share & Forecast
9.3.6.2.1. By Technology
9.3.6.2.2. By Interface
9.3.6.2.3. By Screen Size
9.3.6.2.4. By End Use Industry

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9.3.7. Denmark Touchscreen Controllers Outlook
9.3.7.1. Market Size & Forecast
9.3.7.1.1. By Value
9.3.7.2. Market Share & Forecast
9.3.7.2.1. By Technology
9.3.7.2.2. By Interface
9.3.7.2.3. By Screen Size
9.3.7.2.4. By End Use Industry

10. SOUTH AMERICA TOUCHSCREEN CONTROLLERS OUTLOOK

10.1. Market Size & Forecast
10.1.1. By Value
10.2. Market Share & Forecast
10.2.1. By Technology
10.2.2. By Interface
10.2.3. By Screen Size
10.2.4. By End Use Industry
10.2.5. By Country
10.3. South America: Country Analysis
10.3.1. Brazil Touchscreen Controllers Outlook
10.3.1.1. Market Size & Forecast
10.3.1.1.1. By Value
10.3.1.2. Market Share & Forecast
10.3.1.2.1. By Technology
10.3.1.2.2. By Interface
10.3.1.2.3. By Screen Size
10.3.1.2.4. By End Use Industry
10.3.2. Argentina Touchscreen Controllers Outlook
10.3.2.1. Market Size & Forecast
10.3.2.1.1. By Value
10.3.2.2. Market Share & Forecast
10.3.2.2.1. By Technology
10.3.2.2.2. By Interface
10.3.2.2.3. By Screen Size
10.3.2.2.4. By End Use Industry
10.3.3. Colombia Touchscreen Controllers Outlook
10.3.3.1. Market Size & Forecast
10.3.3.1.1. By Value

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10.3.3.2. Market Share & Forecast
10.3.3.2.1. By Technology
10.3.3.2.2. By Interface
10.3.3.2.3. By Screen Size
10.3.3.2.4. By End Use Industry
10.3.4. Peru Touchscreen Controllers Outlook
10.3.4.1. Market Size & Forecast
10.3.4.1.1. By Value
10.3.4.2. Market Share & Forecast
10.3.4.2.1. By Technology
10.3.4.2.2. By Interface
10.3.4.2.3. By Screen Size
10.3.4.2.4. By End Use Industry
10.3.5. Chile Touchscreen Controllers Outlook
10.3.5.1. Market Size & Forecast
10.3.5.1.1. By Value
10.3.5.2. Market Share & Forecast
10.3.5.2.1. By Technology
10.3.5.2.2. By Interface
10.3.5.2.3. By Screen Size
10.3.5.2.4. By End Use Industry

11. MIDDLE EAST & AFRICA TOUCHSCREEN CONTROLLERS OUTLOOK

11.1. Market Size & Forecast
11.1.1. By Value
11.2. Market Share & Forecast
11.2.1. By Technology
11.2.2. By Interface
11.2.3. By Screen Size
11.2.4. By End Use Industry
11.2.5. By Country
11.3. Middle East & Africa: Country Analysis
11.3.1. Saudi Arabia Touchscreen Controllers Outlook
11.3.1.1. Market Size & Forecast
11.3.1.1.1. By Value
11.3.1.2. Market Share & Forecast
11.3.1.2.1. By Technology
11.3.1.2.2. By Interface

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info@marketpublishers.com

11.3.1.2.3. By Screen Size
11.3.1.2.4. By End Use Industry
11.3.2. South Africa Touchscreen Controllers Outlook
11.3.2.1. Market Size & Forecast
11.3.2.1.1. By Value
11.3.2.2. Market Share & Forecast
11.3.2.2.1. By Technology
11.3.2.2.2. By Interface
11.3.2.2.3. By Screen Size
11.3.2.2.4. By End Use Industry
11.3.3. UAE Touchscreen Controllers Outlook
11.3.3.1. Market Size & Forecast
11.3.3.1.1. By Value
11.3.3.2. Market Share & Forecast
11.3.3.2.1. By Technology
11.3.3.2.2. By Interface
11.3.3.2.3. By Screen Size
11.3.3.2.4. By End Use Industry
11.3.4. Iraq Touchscreen Controllers Outlook
11.3.4.1. Market Size & Forecast
11.3.4.1.1. By Value
11.3.4.2. Market Share & Forecast
11.3.4.2.1. By Technology
11.3.4.2.2. By Interface
11.3.4.2.3. By Screen Size
11.3.4.2.4. By End Use Industry
11.3.5. Turkey Touchscreen Controllers Outlook
11.3.5.1. Market Size & Forecast
11.3.5.1.1. By Value
11.3.5.2. Market Share & Forecast
11.3.5.2.1. By Technology
11.3.5.2.2. By Interface
11.3.5.2.3. By Screen Size
11.3.5.2.4. By End Use Industry

12. MARKET DYNAMICS

12.1. Drivers
12.1.1. Rise in demand for touchscreen in automobiles

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12.1.2. Increase in the number of smart devices
12.1.3. Advancements in Digitalization and IoT
12.2. Challenges
12.2.1. Complexities associated with the technology
12.2.2. Rise in competition

13. MARKET TRENDS & DEVELOPMENTS

13.1.1. Increasing disposal income
13.1.2. Increase in developments by key industry players
13.1.3. Advances in the field of Touchscreen Controllers
13.1.4. Increasing use of advanced display technologies
13.1.5. High implementation across all the major end use industries

14. COMPANY PROFILES

14.1. Analog Devices Inc.
14.1.1. Business Overview
14.1.2. Key Revenue and Financials
14.1.3. Recent Developments
14.1.4. Key Personnel
14.1.5. Key Product/Services Offered
14.2. Integrated Devices Technology Inc.
14.2.1. Business Overview
14.2.2. Key Revenue and Financials
14.2.3. Recent Developments
14.2.4. Key Personnel
14.2.5. Key Product/Services Offered
14.3. Texas Instruments Incorporated
14.3.1. Business Overview
14.3.2. Key Revenue and Financials
14.3.3. Recent Developments
14.3.4. Key Personnel
14.3.5. Key Product/Services Offered
14.4. NXP Semiconductors
14.4.1. Business Overview
14.4.2. Key Revenue and Financials
14.4.3. Recent Developments
14.4.4. Key Personnel

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14.4.5. Key Product/Services Offered
14.5. Samsung Electronics Co. Ltd.
14.5.1. Business Overview
14.5.2. Key Revenue and Financials
14.5.3. Recent Developments
14.5.4. Key Personnel
14.5.5. Key Product/Services Offered
14.6. Synaptics Incorporated
14.6.1. Business Overview
14.6.2. Key Revenue and Financials
14.6.3. Recent Developments
14.6.4. Key Personnel
14.6.5. Key Product/Services Offered
14.7. Microchip Technology Inc.
14.7.1. Business Overview
14.7.2. Key Revenue and Financials
14.7.3. Recent Developments
14.7.4. Key Personnel
14.7.5. Key Product/Services Offered
14.8. STMicroelectronics
14.8.1. Business Overview
14.8.2. Key Revenue and Financials
14.8.3. Recent Developments
14.8.4. Key Personnel
14.8.5. Key Product/Services Offered
14.9. MELFAS Co. Ltd.
14.9.1. Business Overview
14.9.2. Key Revenue and Financials
14.9.3. Recent Developments
14.9.4. Key Personnel
14.9.5. Key Product/Services Offered
14.10. Semtech Corporation
14.10.1. Business Overview
14.10.2. Key Revenue and Financials
14.10.3. Recent Developments
14.10.4. Key Personnel
14.10.5. Key Product/Services Offered

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