

Resistive Touchscreen Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 – 2032

<https://marketpublishers.com/r/RDBC1D41BADEEN.html>

Date: October 2024

Pages: 120

Price: US\$ 4,850.00 (Single User License)

ID: RDBC1D41BADEEN

Abstracts

The Global Resistive Touchscreen Market, valued at USD 5.5 billion in 2023, is anticipated to grow at a CAGR of 9.3% from 2024 to 2032. This growth is largely driven by the cost-effectiveness of resistive touchscreens, which have a simpler construction compared to capacitive touchscreens, resulting in lower production costs. Their affordability makes them a popular choice in budget-sensitive industries like industrial machinery, medical devices, and consumer electronics. The reliable performance and lower price point of resistive touchscreens are key factors in their widespread adoption, particularly in applications where cost control is critical. Resistive touchscreens are also highly favored in industrial and medical applications due to their accuracy and durability in challenging environments.

Unlike capacitive screens, resistive screens can function reliably even with styluses or gloved hands, making them ideal for precise operations in industrial and healthcare settings. Their ability to handle various input methods enhances their utility in rugged or specialized environments, further boosting demand across these sectors. The market is segmented by screen size into small-sized screens (less than 5 inches), medium-sized screens (5 to 10 inches), and large-sized screens (above 10 inches). The medium-sized screens segment, ranging from 5 to 10 inches, is expected to surpass USD 5 billion in value by 2032. This segment strikes a balance between portability and functionality, making it suitable for tablets, portable navigation systems, and some industrial applications.

The increasing popularity of tablets, especially in education and business sectors, is fueling demand for medium-sized resistive touchscreens. The small-sized screens segment, typically used in handheld devices like smartphones and portable gaming

consoles, remains essential for users seeking compact and portable devices. In terms of application, the resistive touchscreen market spans various sectors, including smartphones, tablets, POS terminals, automotive displays, industrial controls, medical devices, consumer electronics, kiosks, ATMs, and others. The medical devices segment is expected to grow the fastest, with a CAGR of over 12% between 2024 and 2032, driven by the need for durable, accurate touchscreens in healthcare environments. Regionally, North America held over 25% of the market share in 2023, with strong demand across healthcare, industrial automation, and consumer electronics. India is also witnessing substantial growth, driven by urbanization and increasing investments in digital infrastructure, particularly in sectors like retail, healthcare, and manufacturing.

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