

Exploring the Evolution and Impact of Virtual Keyboards on Modern Devices

Major countries in each region are mapped according to their revenue contribution to the global market



The virtual keyboard market share is expected to witness considerable growth in coming years, owing to increase in the use of mobile devices, and the rise in trend of remote work"

Allied Market Research

WILMINGTON, NEW CASTLE, DE, UNITED STATES, November 25, 2024 /EINPresswire.com/ -- Allied Market Research published an exclusive report, titled, "[On-Screen Virtual Keyboard, Projected Virtual Keyboard](#) Size, Share, Competitive Landscape and Trend Analysis Report by Technology (On-Screen Virtual Keyboard, Projected Virtual Keyboard), by Distribution Channel (Online, Offline), by Connectivity (Bluetooth, Wi-Fi, USB, In-built): Global Opportunity Analysis and Industry Forecast, 2023-2032".

The global virtual keyboard market was valued at \$1.1

billion in 2022, and is projected to reach \$2 billion by 2032, growing at a CAGR of 6.5% from 2023 to 2032.

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virtual keyboard is a digital device that replaces a physical keyboard and instead enables typing through an on-screen keyboard display. It allows users to enter data by tapping or clicking on the keys. This technology is frequently used in smartphones, tablets, and computers, making it flexible for different [devices](#).

Virtual keyboards are able to adapt to multiple languages and layouts, offering flexibility for users all over the world. They also offer features such as predictive text and autocorrect, which help to improve typing speed and accuracy. Besides, virtual keyboards can be customized with different themes and sizes to enhance the user experience.

In the business landscape, virtual keyboards can make tasks easier, especially for touch-based devices. They remove the need for large physical equipment. It offers a more portable and user-friendly solution. With the number of workplaces increasingly relying on mobile devices and

touch screens, virtual keyboards are becoming more important. Their ability to work seamlessly with many applications makes them a useful tool for boosting productivity and efficiency in a workplace.

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According to a recent report published by Allied Market Research, the global virtual keyboard market is projected to exhibit a remarkable CAGR of 6.5% during the forecast period.

Virtual keyboards have evolved notably and provide a wide variety of features to improve the user experience across different devices and applications. These keyboards can replace or complement physical keyboards and provide solutions to a variety of needs, including accessibility, customization, and security.

One of the primary features of modern virtual keyboards is their adaptability. On touchscreen devices, these keyboards normally encompass a complete set of alphabetic keys, as well as special function buttons for numbers and symbols. In terms of layout, alternatives like QWERTY, AZERTY and Dvorak are available, while keyboards for languages with non-Latin alphabets, such as Japanese or Russian, are also supported. For increased accessibility, some keyboards even permit visual customization, adjusting color schemes to help users with precise visual needs, such as color blindness.

Virtual keyboards also exceed the capabilities of touch screens. In environments like game consoles, smart TVs, and virtual reality systems, users use controllers to interact with on-screen keyboards. These setups usually include predictive text to help type faster when using a controller.

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Apart from traditional key-tapping, many virtual keyboards include gesture controls. This feature enables users to type words by quickly swiping across the keys. Moreover, these keyboards come with shortcut keys for functions such as deleting text or moving through documents, thereby making them simpler to use. For those who prefer voice interaction, voice recognition technology permits users to dictate text, offering a hands-free option. Although voice transcription has upgraded, it still has some issues with accuracy and understanding commands.

Some applications feature custom virtual keyboards tailored to specific use cases, which include banking or medical apps. These keyboards are designed with extra layers of security and

specialized design to meet the needs of users in these spheres. Through customization and innovation, virtual keyboards continue to support accessibility and functionality across a wide range of devices.

Microsoft recently announced that it has introduced a new feature to its OneNote application, allowing users to take notes on their mobile devices using a virtual keyboard. This feature is designed to improve the user experience by providing a more intuitive and accessible way to interact with the application. The virtual keyboard is designed to be used in a variety of ways, including as a standard keyboard, a touch keyboard, or a voice-controlled keyboard. This feature is available on both iOS and Android devices.

In April 2024, Microsoft launched OneNote for Apple Vision Pro, making its cloud-based note-taking app available on mixed reality headset. The app supports AR and VR environments and offers an immersive experience. It allows hands-free note-taking through speech mode and typing using a virtual keyboard with finger-tracking capabilities. Greg MacEachern, Microsoft's Product Manager, pointed out that OneNote on Vision Pro helps users stay productive by managing tasks, planning trips, and practicing daily habits in spatial reality. The app enables users to open it in floating or virtual spaces and resize it as needed. Many features from the iPad version are available, such as writing memos, creating digital notebooks, and adding tags or passwords for security.

Virtual keyboards

Virtual keyboards are now becoming important for modern devices, offering adaptability, accessibility, and customization. They improve typing speed, accuracy, and security with features like gesture control and voice recognition. With the rise of mobile and touch-based devices, the industry is expected to have vast opportunities for innovation, especially in sectors that need unique features and accessibility.

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