SMART Board™ software development kit

The SMART Board software development kit (SDK) is a collection of development libraries that you can use to integrate your application with SMART interactive products.

Greater accuracy, more interactivity

When you use this SDK, you can create applications that work together with the features of the SMART Board interactive whiteboard. For instance, you can create software that receives notifications when a user lifts a Pen Tray tool or presses a Pen Tray button. You can also enable applications to determine if the user draws on an interactive whiteboard with a Pen Tray tool, eraser or a finger.

The SMART Board SDK can enhance the accuracy of the x and y axis events that an application can receive from an interactive product. Higher event resolution means smoother digital ink usage and more control over the interaction between your application and an interactive product.

Multitouch capability

The SMART Board SDK also provides multitouch capability, which enables your application to receive several touch events simultaneously. Multitouch works only with interactive products that feature DViT™ (Digital Vision Touch) technology.

Operating systems and programming language support

SMART Board SDK – Windows® version
- **Supported operating systems** – Windows XP SP3, Windows Vista®, Windows 7
- **Supported programming languages** – C++, C#, Microsoft® Visual Basic®, Java™

SMART Board SDK - Mac version
- **Supported operating systems** – Mac OS X v10.5, Mac OS X v10.6
- **Supported programming languages** – C++, Java

Intended use of the SMART Board SDK

Use the SDK to integrate your C++, C#, Visual Basic and Java applications with the interactive whiteboard software. SMART Board interactive whiteboard software-enabled applications have the following capabilities:
- Draw smooth ink over your applications using high-resolution contact events
- Create a seamless user interface with Pen Tray events, including the ability to determine if a user is drawing on a SMART Board interactive whiteboard with a pen, eraser or finger

SMART hardware products compatible with the SMART Board SDK
- SMART Board interactive whiteboard
- SMART Board interactive display
- SMART Podium interactive pen display
- SMART Slate

Benefits of using the SMART Board SDK

SMART Ink Aware

To allow you to create a field or dedicated area within your application that accepts electronic ink, the SDK provides access to SMART pen events. The text you write into a specified area of your application is sent to an ink events queue rather than to the standard mouse events queue.

Smoother writing

The SDK allows you to send a greater number of x and y axis events from the interactive whiteboard to your application, producing smoother writing. The SMART Board SDK discards fewer points, and the appearance of the ink is improved.

Customization of pen events

After you integrate the SDK into your application, the application can interpret custom commands when the user lifts a Pen Tray tool rather than switching to ink mode automatically. Your application can also receive a notification when the user lifts a Pen Tray tool or presses the Pen Tray buttons.

Multitouch and custom gestures

You can write your application to detect more than one contact on the interactive surface at the same time. With this feature of the SDK, you can develop custom two-handed gestures specific to your application and allow multiple users to write on the interactive whiteboard at once.

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