TouchGFX
Take GUI to the next level

Your free STM32 software tool

TouchGFX is a user-friendly graphical C++ software framework for developing embedded user interfaces on STM32 microcontrollers. It is fully integrated in the STM32 Ecosystem, and can be implemented using STM32CubeMX, STM32CubeIDE and STM32CubeProgrammer software.

TouchGFX empowers the UI developer and enables the fast and easy development of stunning UIs, with the drag and drop GUI builder TouchGFX Designer.

Delivered as: x-cube-touchgfx

www.st.com/x-cube-touchgfx
GUI prototyping
Discover all STM32 evaluation boards in TouchGFX Designer, to develop your own user interface. With more than 30 widgets, images and text managers, you can get a head start on your prototyping.

Steps for GUI Prototype development
1- Open TouchGFX Designer
2- Select a STM32 evaluation kit
3- Create/select a demo
4- Flash your STM32 Evaluation kit

GUI product development
With the STM32 Ecosystem software which includes STM32CubeMX, STM32CubeIDE, TouchGFX Generator and TouchGFX Designer, you will experience a faster product development.

Steps for Custom GUI development
1- Start project in STM32CubeMX and/or STM32CubeIDE
2- Start TouchGFX HAL development in TouchGFX Generator
3- Develop your GUI in TouchGFX and your preferred IDE
4- Flash your custom hardware