

TouchGFX – A machine interface that offers high quality user experience at low cost

EKTOS and Draupner Graphics have developed a solution for easy implementation of a cost effective touch screen based user interface which can be used in a variety of electronic products.

High end user experience - low cost

Agricultural machinery, controllers for furnaces, scales in retail stores, and control panels for sick beds are just a few examples of where the TouchGFX is being implemented. There are virtually no limits to the application possibilities, and the TouchGFX makes it possible to achieve the same pleasant graphics and contemporary touch features for industrial products as we experience in high-end consumer products – that is with much lower cost than existing tools on the market.

The TouchGFX platform is based on a low-cost and high-performance micro-processor and on several state-of-the-art TFT LCD displays – all with a touch sensitive surface. EKTOS has created the underlying development platform, while Draupner Graphics has developed the graphical interface concept.

Quick implementation

The TouchGFX demo board can be purchased and used to rapidly and inexpensively implement and try out a new or an alternative user interface of your product.

EKTOS has designed the TouchGFX demo board with the aim of providing a reusable platform that supports several LCD display formats

Technical data

The TouchGFX demo board is based on the NXP LPC4353 microcontroller with external Flash and RAM. The micro-controller is multi-cored, having a high performance ARM Cortex-M0 and an ARM Cortex-M4 on the same chip. The solution ensures full scalability and low production costs. The touch interface can be either resistive or capacitive.

LCD formats currently supported:

- 3.5", 320*240, cap.touch, URT
- 4.3", 480*272, cap.touch, URT
- 5.7", 640*480, cap.touch, URT
- 7.0", 800*480, cap.touch, URT

Microprocessor system:

- LPC4353, 204 Mhz, NXP
- Flash: 25FL128, 128/256 Mbit
- RAM: IS42S164, 64 Mbit, ISSI

How we can help you

EKTOS and Draupner Graphics can help you define, design, and implement high-end graphical user interfaces into your products. EKTOS is the primary implementation partner for TouchGFX, and we have the skills, experience, and knowledge to efficiently and reliably implement the hardware and software needed for your product.



Examples of solutions based on TouchGFX



TouchGFX demo board with a 4.3" display

CONTACT US FOR MORE INFORMATION

Let us discuss how you can benefit from using TouchGFX. You are welcome to contact us or Draupner Graphics already today

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