Smart touch displays in miniature format

Tablet feeling for your application

PRELIMINARY

FEATURES

- 2.0" 320x240 / 2.8" 320x240 / 3.5" 480x320 / 4.3" 480x272
- AACS-Display (all angle color stability, optimized backlight and TFT-Panel over widest viewing angle)
- Superbright LED backlight over 800 cd/m²
- Object-oriented screen layout
- Change object during run-time: size, shape, color, content
- Animate and move objects
- Alpha-blending
- Fonts: ASCII and Unicode
- Single supply 3.3 V or directly through USB
- Serial Interfaces: USB, RS232, SPI, I²C
- 8 digital, freely definable I/Os built in, expandable up to 136
- 4 analog inputs
- Time (RTC), battery-buffered
- Flash-memory as storage for pictures, fonts, menus and log-files
- Internal functions for calculation as well as programmability
- Tone feedback build-in

ORDERING CODE

Displays

2.0" TFT 320 x 240 pixels, with PCAP and white LED backlight (external dimensions: 65 x 43 mm)	**EA uniTFTs020-ATC**
2.8" TFT 320 x 240 pixels, with PCAP and white LED backlight (external dimensions: 84 x 58 mm)	**EA uniTFTs028-ATC**
3.5" TFT 480 x 320 pixels, with PCAP and white LED backlight (external dimensions: 100 x 65 mm)	**EA uniTFTs035-ATC**
4.3" TFT 480 x 272 pixels, with PCAP and white LED backlight (external dimensions: 114 x 84 mm)	**EA uniTFTs043-ATC**

Accessories

Quick-Start Set:

ZIF-connector 40 positions 0.5 mm pitch connector for FPC-cable	**EA WF050-40S**
FPC-cable 40 postitions 0.5 mm pitch 102 mm long	**EA KF050-40**
USB-Kabel Typ A -> Mini USB around 1 m	**EA KUSB-MINI**

GENERAL

The EA uniTFTs series provides sophisticated graphical functions and intuitive menu control with its built-in instruction set. Thanks to the integrated instruction set and the Windows design software uniTFTDesigner, not only electronics specialists, but also experts in the field of design and user guidance are able to create the entire HMI.

The display modules are immediately ready for operation with 3.3 V, controlled via the built-in serial interfaces RS232, SPI, I²C or USB. The modules can be operated directly through the USB, too.

Object-oriented "programming", the wide set of commands, and the integrated but extensible Unicode fonts make "time-to-market" a breeze.

The EA uniTFT series, which forms the high-end market with larger modules, comes up with a very similar command set:

Currently are 3 different sizes available: 5" with 800x480 dots, 7" IPS with 1024x600 dots and 1000cd/m² and 10.1" IPS with 1280x800 dots and 1000cd/m².

PRELIMINARY