BRILLIANT DISPLAYS FOR YOUR COMPACT CONTROLLER OR PLC

Thanks to intelligent displays of the uniTFT series it is easy to display measured values and states of your PLC in a graphically appealing way. All you need is a RS-232 or RS-485 interface on your controller and a power supply of 5 - 32V.

With brightness levels of 900 cd/m² and over 1,000 cd/m², they are brilliant self-exposer. The robust glass surface guarantees a high-quality design and ensures crystal-clear readability. The front is at the same time easy to clean, as well as scratch and wear resistant. If required, inputs can be made via the touch-sensitive surface. With a light touch or swipe gesture, you can adjust process parameters, set limits, switch outputs, and much more. Multilingualism and your own company logo is also possible from just 1 piece. Currently 4 sizes are available: 2", 2.8", 3.5" and 4.3".

GENERAL

EA uniTFTs are a high-quality all-in-one implementation of the display, microcontroller unit, and touch screen. It is all users need to directly control their application and expedite development, prototyping, and deployment of their HMI/GUI. Design the HMI/GUI using the easy-to-use drag-and-drop uniTFTdesigner graphics development software

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" with 1024x600 dots and 10.1" with 1280x800 dots.

Advantage	Standard TFT	EA uniTFT(s)
Quality	Consumer	Non-consumer
Brightness	250cd	1000cd (typ.)
Viewing angle	Limited +/-50° (typ.)	Up to 340°
Color	TN with Gray inversion effect	IPS: no color shift
Touch	resistive	PCAP incl. controller
Interface	8-/16 Bit data bus	I²C or SPI or USB
Availability	Minimum order quantity	Ex stock
Longevity	1 year or more	Minimum of 8 years
Support	None unless high quantity	Bundled with product purchase
ce / EMC	None	Tested and certified
Software	Place dot by dot to create character or touch buttons	- High level commands included - Graphics development software f.o.c.

To get an easy introduction to the use of the commands we have a collection of short explanatory videos with the uniTFT Academy online.