"eDIP" Series
Touchpanel with SPI, I²C, RS-232

* touch panel incl. controller
* RS-232 + I²C-Bus + SPI
* USB + RS-485 via external circuit
* character sets & graphic functions
* 128x64 .. 320x240 monochrome
* colored TFT 3.2" and 4.3"
* single supply +5V (some +3.3V)
* $T_{Op.}$ -20..+70°C

4,5"
EA eDIP240B-7
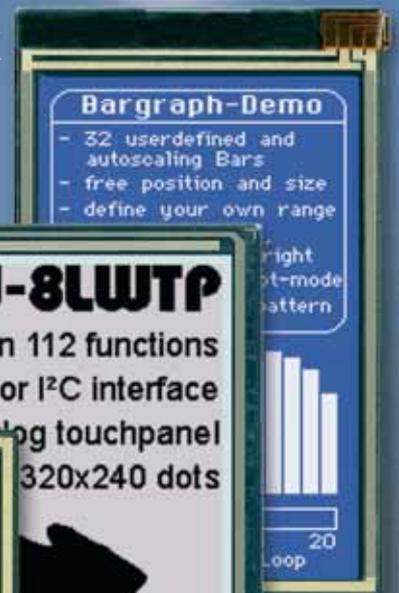
Bargraph-Demo
- 32 userdefined and autoscaling Bars
- free position and size
- define your own range

5,7"
EA eDIP320J-8

EA eDIP320J-8LWTP
intelligent more than 112 functions
RS-232, SPI or I²C interface
analog touchpanel
320x240 dots

4,5"
EA eDIP240J-7

DIP240J-7LA
ded Display
erful functions

4,3" TFT
EA eDIPTFT43-A

3,2" TFT
EA eDIPTFT32-A

prev next

3,3"
EA eDIP160J-7

Graphic / Icons

2,8"
EA eDIP128B-6

eDIP128-6
Touch me

Whether Monochrome or Color

This is how graphics programming will look in the future

No more "pixel programming" but, instead, efficient operation with extensive drawing functions and fonts. The advantages are obvious:

* no time-consuming graphics programming
* drastically reduced time-to-market
* tested functions validated thousands of times
* unparalleled flexibility thanks to powerful commands
* extremely compact construction
* a clear price advantage compared to individualized solutions

EA eDIPTFT43-ATP 4,3" TFT

Characteristics				
Display	Resolution	Size	Color	Op. Voltage
EA eDIP128-6	128x64	2.8"	black&white or blue	3.3~5V
EA eDIP160-7	160x104	3.3"	black&white or blue	3.3~5V
EA eDIPTFT32-A	320x240x3	3.2"	TFT	3.3~5V
EA eDIP240-7	240x128	4.5"	black&white or blue	5V
EA eDIPTFT43	480x272x3	4.3"	TFT	5V
EA eDIP320-8	320x240	5.7"	black&white or blue	5V

Powerful commands

such as the touchkey with menu function, clipboard, bargraph, centered strings... You can therefore create the screen layout you want with just a few, easily understood commands. All the commands are based on coordinate specifications and can therefore be applied and moved to the nearest pixel. There is a built-in self-test facility for demonstration purposes and initial testing.

3 different interfaces: RS-232, I²C, SPI

There is something to match every system: depending on the configuration, the connection can be established via an RS-232 (CMOS level), SPI or I²C bus interface.

USB, RS-485 interface

With a simple external IC (e.g. FT232R or SN75176) it is easy to adapt to some more interfaces. Application notes are available.

Touch Panel

Optionally, we can also supply this display with an analog touch panel which can be used for all types of input. An integrated touch controller is responsible for representing and labelling the keys as well as for their interpretation. What is more, the shape, size and number of the keys can be modified whenever required at runtime. This permits a clear, well-organized screen layout that helps eliminate operating errors. Device adaptations for foreign countries and languages are simple to implement even in tiny runs. This also includes e.g. Cyrillic, Hebrew, Arabic.
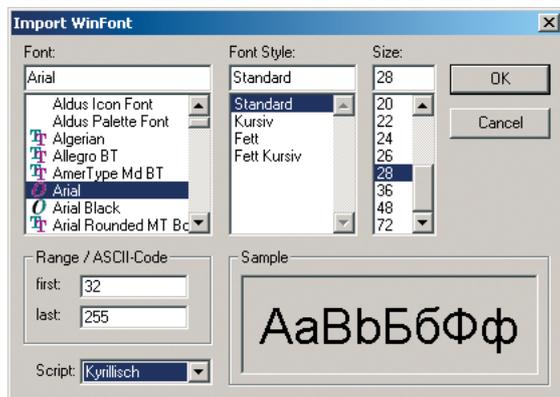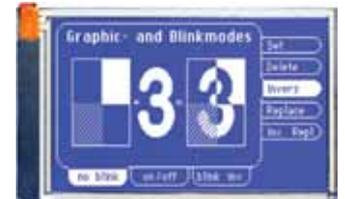
Character sets

7 built-in fonts in different sizes (see picture below). All the character sets can be enlarged up to 4 times to their original size. A command allows you to rotate them by 90° for vertical presentation. All character sets can be re-defined by a powerful FontEditor tool. Individual character sets may be added easily.

EA START-eDIP240 Starter Kit USB with simulator

ELECTRONIC ASSEMBLY GMBH

making things easy

Need more informations?

At our web site you'll find more informations and all data sheets: http://www.lcd-module.com

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