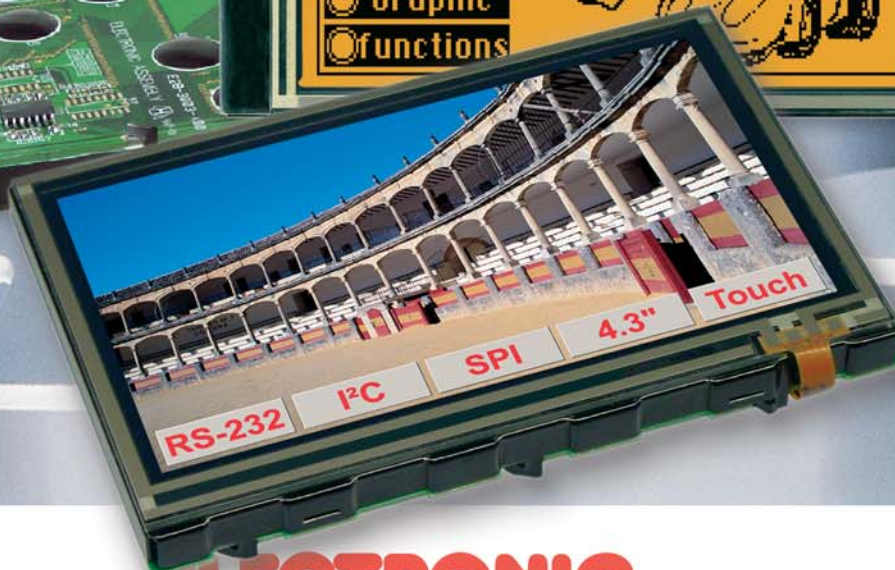
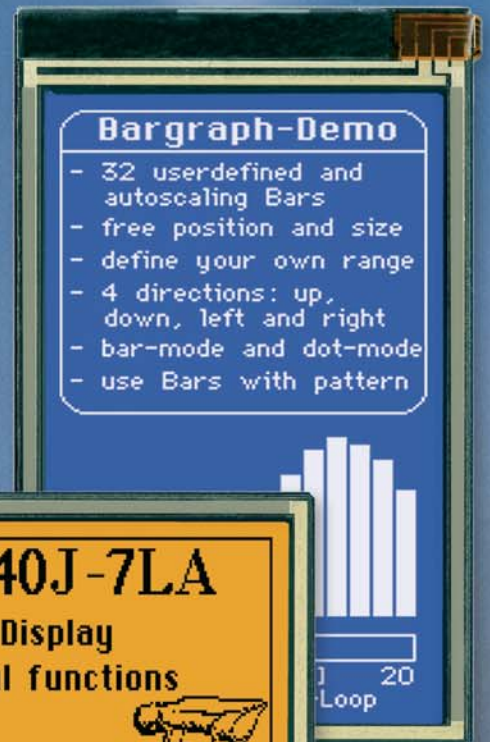
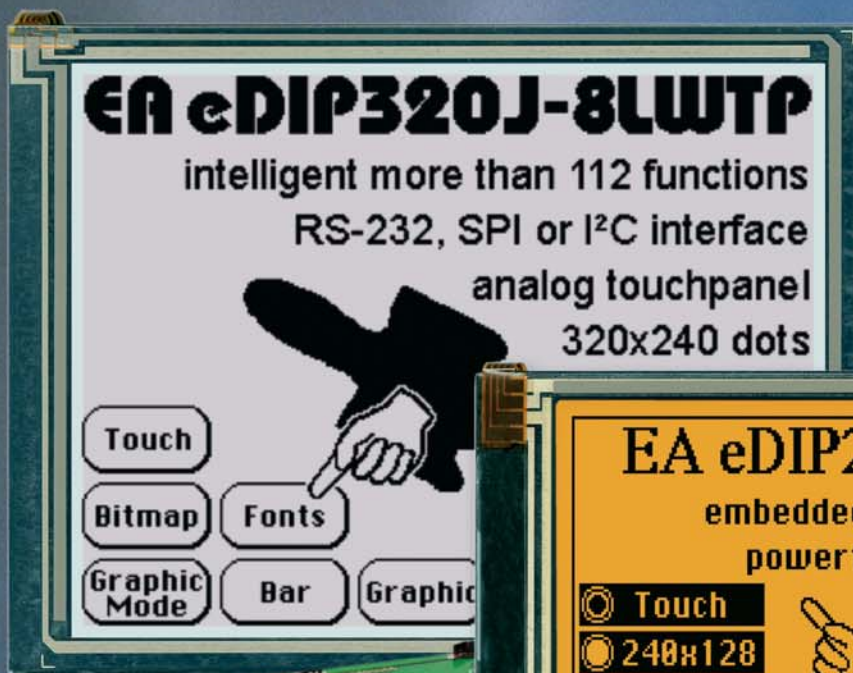


# World First !



## Intelligent graphic displays with Touch

- \* touch panel incl. controller
- \* RS-232 + I<sup>2</sup>C-Bus + SPI
- \* character sets & graphic functions
- \* 320x240 - 240x128 - 480x272 TFT
- \* single supply +5V
- \* T<sub>Op.</sub> -20..+70°C



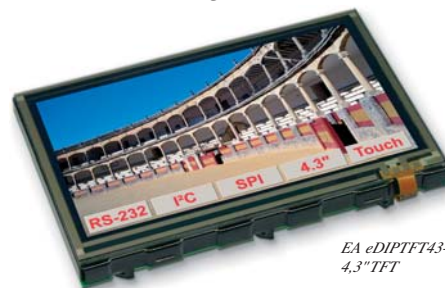
**ELECTRONIC  
ASSEMBLY**  
making things easy

# 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

## Character sets

7 built-in fonts in different sizes (see picture below). All the character sets can be enlarged to up to 4 times their original size. A command allows you to rotate them by 90° for vertical presentation. Separate character sets such as Cyrillic can be additionally integrated at any time.

Characteristics					
Value	Condition	min.	typ.	max.	Unit
Resolution	EA eDIP240-7		240x128		dots
	EA eDIP320-8		320x240		
	EA eDIPTFT43		480x272x3		
Operating Voltage		4.5	5.0	5.5	V
Op. Temperature		-20		+70	°C
Storage Temperature		-30		+80	°C
Supply Current (with 100% backlight)	EA eDIP240-7		220		mA
	EA eDIP320-8		270		
	EA eDIPTFT43		180		

## 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



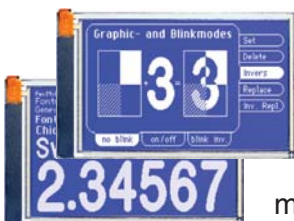
can therefore be applied and moved to the nearest pixel. There is a built-in self-test facility for demonstration purposes and initial testing.

## 3 different interfaces: RS-232, I<sup>2</sup>C, 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 I<sup>2</sup>C bus interface.

## State-of-the-art display technology

Only top-quality materials are used. As a result, this display is very easy to read and offers a high level of contrast.



## 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 Cyrillic. And Chinese.

Device adaptations for foreign countries and languages are simple to implement even in tiny runs. This also includes Cyrillic. And Chinese.



EA START-eDIP240  
Starter Kit USB with  
simulator

## Need more informations?

At our web site you'll find more informations and the complete data sheet: [www.lcd-module.de/dog](http://www.lcd-module.de/dog) Or fax following inquiry:

Fax a quotation for: .....  
part number / quantity

Company .....

Your name .....

Street .....

Postal code / city .....

Phone / Fax .....

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