FDI

ELI

Easy LCD Interface

Why ELI®

FDI introduced ELI as a solution to the common customer problems outlined above. ELI is designed, manufactured and tested here in the US, by FDI's skilled production team, and every unit is fully supported by our US based team of engineers and technical specialists.

ELI is available from Avnet , WPGA, Digi-Key or from any of our franchised distribution partners, so you have a trusted source that can also provide you with local inventory or flexible credit terms if desired.

The ELI Family is available off the shelf in a variety of industry standard sizes ranging from 7.0" up to 15.0". And don't fret if ELI isn't available with the display size or specifications needed for your application, since we can quickly and easily produce a new ELI configuration, typically in six weeks or less.

ELI = Easy LCD Interface

Common computing platforms like the Raspberry Pi, the BeagleBone Black and many other single board computers or SBC's have standard video outputs like DVI or HDMI. This works fine when connecting to PC monitors or desktop LCDs designed to interface to personal computers and allows you to do software development and testing.

However your embedded product isn't designed to live on the desktop, so chances are that before production you need to interface to an LCD intended for use in the industrial or embedded space.

These LCDs are typically available as bare glass and require input power supplies, backlight generators, have CMOS or LVDS interfaces, including some very unique connectors, and may also require touch screen interface and potentially even mechanical or packaging design.

It can be tedious and time consuming to pick an LCD with the right optical and environmental specifications for your product, and some customers will easily spend 3-6 months on this process.

And more importantly, you need to choose a display partner with good Channel Life and long term availability, otherwise you might be redesigning your product every year or two.
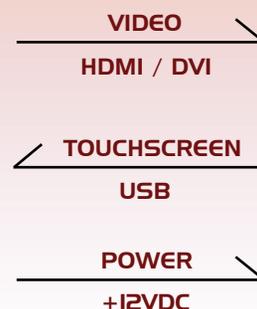
How Easy Is It

VIDEO
HDMI / DVI

TOUCHSCREEN
USB

POWER
+12VDC

ELI

ELI only needs an HDMI or DVI video input and 12VDC Power... That's it!

www.teamfdi.com
(256) 883-1240

@TeamFDI
#TeamFDI

Youtube.com/
FDIProducts

FDI

ELI — Easy LCD Interface

Configurations

ELI products are currently available in the standard sizes shown and are capable of supporting screen resolutions up to WUXGA (1920 x 1200).
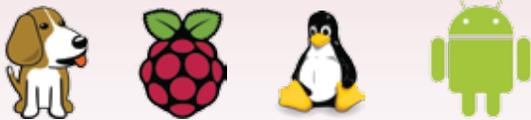
Larger screen sizes and custom configurations for extended temperature, high brightness, special overlays, etc., can easily be supported.

Compatibility

The world would be a better place if all products just played nicely together, but unfortunately that just isn't the case. ELI was conceived by our design team to address the void that customers face when trying to interface LCD's to their SBC engines.

ELI is designed to play nicely with most products, and the list below shows some of the more popular units that have been tested and confirmed to work with ELI.

ELI should also work with almost any SBC that has an HDMI or DVI output, so don't fret if your unit isn't shown. If you want to be sure, email support@teamfdi.com, and list the specific P/N or model for your SBC so our Product Support Team can check it out and let you know.

We Can Help

FDI has years of experience dealing with the design intricacies of LCD's and touch screen interfaces, both resistive and capacitive. We also have existing supply-chain relationships with most of the major LCD manufacturers and embedded channel partners necessary to support your long-term LCD requirements.

With ELI, FDI can help solve your production display issues.

More Information

Order Online at: www.teamfdi.com/ELI
or from any of our franchised distributors

Warranty: One Year money back guarantee
Phone 256-883-1240
Fax 256-883-1241
sales@teamfdi.com

www.teamfdi.com
(256) 883-1240

@TeamFDI
#TeamFDI

Youtube.com/
FDIProducts

Rev 1.5- 7/1/2015