

# Reflective LCD + Front Light Dev Kit



## Development Kit Overview



## Key Features

- Drives LCD + Front Light at variable brightness levels
- Software included to easily upload custom graphics
- Supports variety of Sharp reflective memory displays, ranging from 1"-4.4" in size
- Pre-loaded for "out of the box" demonstrations
- USB interface
- Fully re-programmable with access to microprocessor debugging interface, GPIOs, and breakout pins

## Technical Specifications

- 32 bit ARM microcontroller
- Capable of driving virtually all memory LCDs in the 1.1"-4.4" range (board is sold configured for one specific display mode)
- Integrated front light driver, adjustable between 1-25mA through software control
- USB interface using standard serial drivers
- USB-powered Lithium-ion charging circuit and battery connector (battery sold separately)
- Pre-loaded "slideshow" firmware with images customizable through USB and provided PC software
- 2MB of SPI flash memory to store custom graphics
- Expansion port with full access to the MCU's debugging interface plus GPIO, UART, I2C and SPI interfaces
- Adapters available to connect board to Raspberry Pi for programming and debugging
- Full source code, schematics and tools available for customizing the board's firmware to customer applications

## Included in the Dev Kit

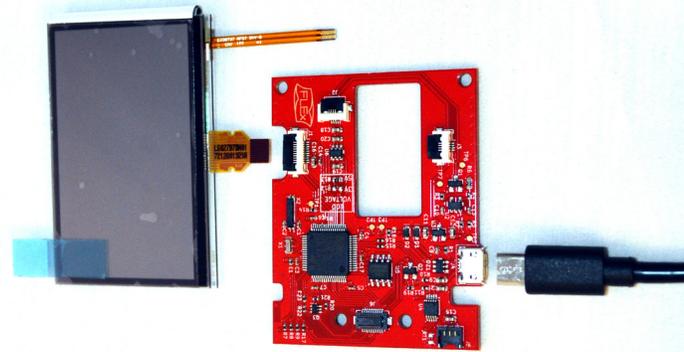
- Driver board
- Reflective LCD with integrated front light (variety of sizes available)
- Embedded software

Display Size	Display Manuf.	Display Model	Dev Kit
1.26"	Sharp	LS013B7DH05	\$150
1.28"	Sharp	LS013B7DH03	\$150
1.28" (c)	JDI	LPM013M126A	\$165
1.33" (c)	Sharp	LS013B7DH06/X	\$165
2.7"	Sharp	LS027B7DH01	\$160
2.7" (c)	JDI	LPM027M128B	\$180
3.16"	Sharp	LS032B7DD02	\$180
4.4"	Sharp	LS044Q7DH01	\$210
<i>Others available on request</i>			

(c) = color display

Pricing and availability subject to change

Optional lithium-ion battery and Raspberry Pi adapter sold separately



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