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"-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

<table>
<thead>
<tr>
<th>Display Size</th>
<th>Display Manuf.</th>
<th>Display Model</th>
<th>Dev Kit</th>
</tr>
</thead>
<tbody>
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<td>1.26&quot;</td>
<td>Sharp</td>
<td>LS013B7DH05</td>
<td>$150</td>
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</table>

(c) = color display
Pricing and availability subject to change
Optional lithium-ion battery and Raspberry Pi adapter sold separately

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