

## AM-100 EPD KIT

### ACTIVE MATRIX EPD Prototype Kit

## Build your own eReader!

### DISPLAY MODULE SPECIFICATIONS

#### Optical:

White State Reflectivity:	37% (typical)
Contrast Ratio:	8:1 (typical)
Viewing Angle:	170°
Grayscale Capability:	2-bit (4 gray levels)
Image Update Time:	1000 ms (grayscale mode) 500 ms (1-bit mode)

#### Mechanical / Dimensional:

Pixel Count:	800 x 600 (SVGA)
Pixel Size:	rectangular, 151 x 153 micron
Active Area:	90.6 x 122.4 mm 152.3 mm (6 inches) diagonal
Display Thickness:	1.25 mm
Display Weight:	35 g

#### Environmental:

Operating Temperature Range:	0 – 50 C
Storage Temperature Range:	-25 – 70 C

#### Electrical:

Supply Voltage:	2.7 – 3.3V DC
Power Consumption:	Active update peak: 1800 mW Active update typical: 750 mW Standby typical: 1 mW

- **Build a prototype with a high-resolution, easy-to-read, low-power 6" display**
- **Explore the capabilities of E Ink's latest electronic paper technology**
- **Includes handheld CPU with Linux OS and open source software**

E Ink displays utilize microencapsulated electrophoretic technology to offer high brightness and excellent readability, while minimizing power consumption. E Ink's 6" active matrix displays are ideally suited for portable devices, as seen in the SONY LIBRIé electronic reader device.

The 6" active matrix kit is designed to aid customers in the development of a working prototype that incorporates the display, plus an X-Scale processor, MMC card, Bluetooth, USB and serial inputs.

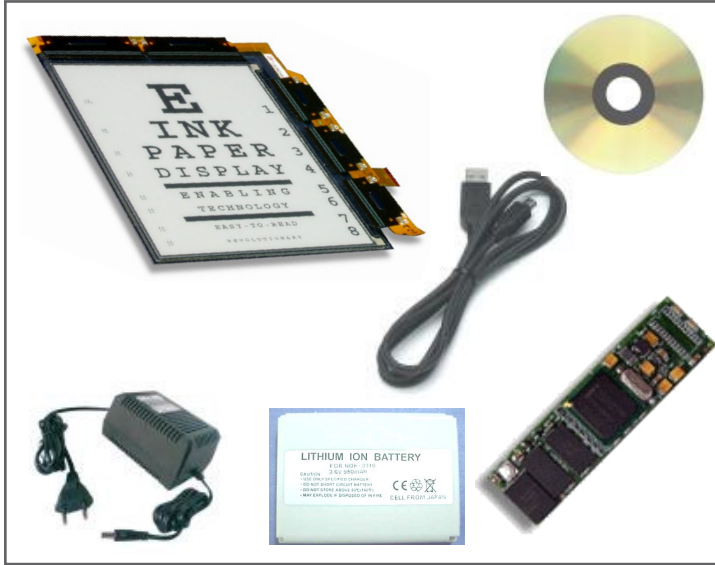
### Sample Applications

- **eBooks**
- **Electronic Dictionaries**
- **Office Tablets**
- **Portable Monitors**

 Supply of 6" display module from:  
**PRIME VIEW INTERNATIONAL**

If you are interested in more information about E Ink developer kits, please visit [www.eink.com/kits](http://www.eink.com/kits)

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## KIT COMPONENTS

### Display subsystem:

- Production sample 6" SVGA active-matrix EPD display (rigid glass substrate)
- Multi-function display controller

### Host system:

- Gumstix™ single-board computer, Intel XScale® PXA255 processor
- Linux operating system pre-installed
- Multiple input-output options: Bluetooth, USB, serial
- MMC card reader (256 MB card included)
- Expansion board with four software-configurable buttons

### Power supply:

- Rechargeable Li-ion battery and Universal power adapter

### Software:

- Demonstration e-book application
- Display driver software
- gcc PC-to-XScale cross-compiler and development environment
- Source code for all software

### Documentation and Support:

- Getting Started Guide and Manual
- On-line support and user's group

- **6" Reflective TFT Active Matrix Electrophoretic Display Panel**
- **Complete control system for quick prototyping**

## ORDER FORM FOR AM-100 EPD KIT

### Shipping Address

Name: \_\_\_\_\_ Company: \_\_\_\_\_  
 Title: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_ Fax Number: \_\_\_\_\_  
 City: \_\_\_\_\_ State or Province: \_\_\_\_\_ Email Address (required): \_\_\_\_\_  
 Zip Code: \_\_\_\_\_ Country: \_\_\_\_\_ Web Site: \_\_\_\_\_

### Billing Address

Name: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Phone Number: \_\_\_\_\_  
 Fax Number: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State or Province: \_\_\_\_\_  
 Zip Code: \_\_\_\_\_ Country: \_\_\_\_\_

### Order Info

**Price: \$3,000**

(Excludes sales tax, shipping and customs duties)

Promotional Code: \_\_\_\_\_ Quantity: \_\_\_\_\_  
**Check Card Choice Below:** *Final shipping details will be emailed upon shipment.*  
 Visa MasterCard Amex  
 Card Number: \_\_\_\_\_  
 Security Code: \_\_\_\_\_ Expiration Date: \_\_\_\_\_  
 Name on Card: \_\_\_\_\_

**ALL ORDERS MUST BE RECEIVED BY FAX: +1 (617) 234-8101**

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