

ACTIVE MATRIX EPD PROTOTYPE KIT

- 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.

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

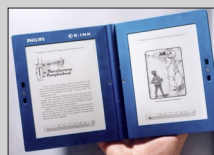
Electrical:

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

Supply of 6" display module from:
PRIME VIEW INTERNATIONAL

Sample Applications

eBooks



Office Tablet



Electronic Dictionary

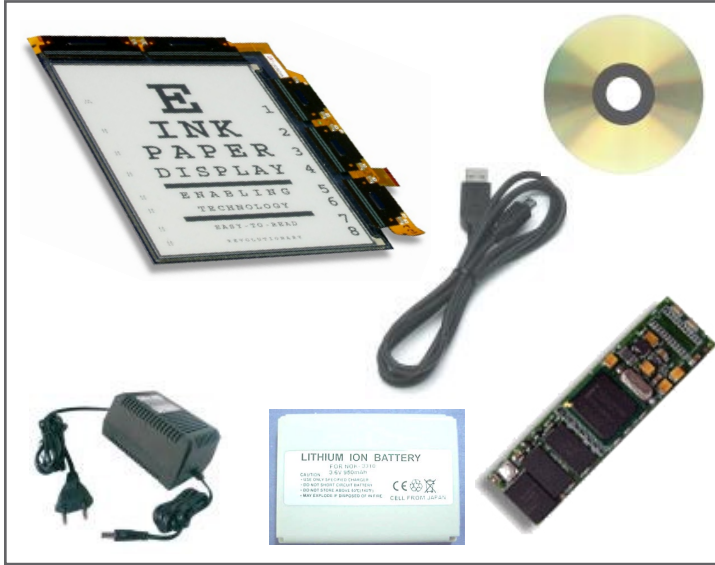


Portable Monitor



If you are interested in more information about E Ink developer kits, please visit www.eink.com/kits

E Ink Corporation • 733 Concord Ave. • Cambridge, MA 02138 :: Phone: (617) 499-6000 :: www.eink.com



KIT COMPONENTS

Display subsystem:

Production sample 6" SVGA active-matrix EPD display
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)

Check Card Choice Below:

Visa
 MasterCard
 Amex

Quantity: _____
 Final shipping details will be emailed upon shipment.

Card Number: _____
 Security Code: _____ Expiration Date: _____
 Name on Card: _____

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