

Active matrix color ePaper displays.

Visual Performance

Display Type	Reflective Electrophoretic
Imaging Component	E Ink Triton ePaper Display Film
Supported Colors	Black, White, Grayscale, Color
Contrast Ratio	12:1 (min)
White State (L*)	70 (min)
Dark State (L*)	24 (max)
Color Resolution (# Bits)	4096 Colors, 4-Bit 16 Gray Levels
% Reflectance	40.7% (minimum)
Viewing Angle	Near 180°
Image Update Time	120 msec - 980 msec
Update Modes	Full & Partial Page Update, Pipelined

Module Drive Electronics

Switching Voltage	+/- 15 Volts
Drive Method	Active Matrix, TFT
Electronic Partners	Epson
	Texas Instruments
	Marvell
	Maxim Integrated
	Freescale Semiconductor

Module Environmental and Lifetime Characteristics

Operating Temp.	0 to 50°C
Storage Temp.	-25 to 70°C
Service Life	10 million switches or 5 years

Module Display System

Available Display Sizes	1.44 to 13.3 in
Display Modules	Glass TFT
Display Thickness	1.2mm
Display Resolution	Capabilities exceed 200 dpi

Benefits

- Color ePaper (4096 Colors)
- Sunlight Readable
- Low Power

E Ink Triton displays offers all the benefits of ePaper, but now in full color. Triton ePaper displays deliver high contrast, sunlight readable, low-power performance that further closes the digital divide by providing paper-like visual experience that can be dynamically updated. Triton is capable of displaying thousands of colors for image-rich information applications showing charts, graphs, maps, photos, comics and advertising.

Applications

E Ink Triton enables color ePaper solutions, enhancing the visual experience for:

- eReaders
- eTextbooks
- Digital Signage

For additional information please contact sales@eink.com