



## EK014AS011

### 1.44" e-Paper Panel

This e-Paper panel is the most power efficient, easy to read, industrial purposed reflective e-Paper display on the market. By combining the high resolution of a TFT backplane and the dependability/maturity of E Ink technology, this display offers its user the freedom to display any image with excellent definition and contrast. The small and thin form factor makes it easy to design it into a variety of applications.

### Key Features

#### ■ Ultra Low Power

Driven by Coin battery/  
Solar power

#### ■ Thin & Light

Easy to design-in

#### ■ Easy to Read

Sunlight readable  
Wide viewing angle

#### ■ Green

Paper and sticker replacement

#### ■ High Resolution

111 dots per inch  
1D/2D barcode support

## 1.44" e-Paper Panel

Outline (mm)	40.512 x 28.8 x 1
Resolution	128 x 96
Contrast Ratio	10:1
Interface	SPI
Operation Temperature	0~50°C
Storage Temperature	-20~60°C
Grayscale Level	1 bit
Refresh Time (room temp.)	2.2 sec
Pixel Pitch(mm)	0.229 x 0.229 (111dpi)
Pin Number	40 pins STARCONN 089H40 or compatible
Input Voltage	3.0V
FPC	0.5mm pitch with stiffener

