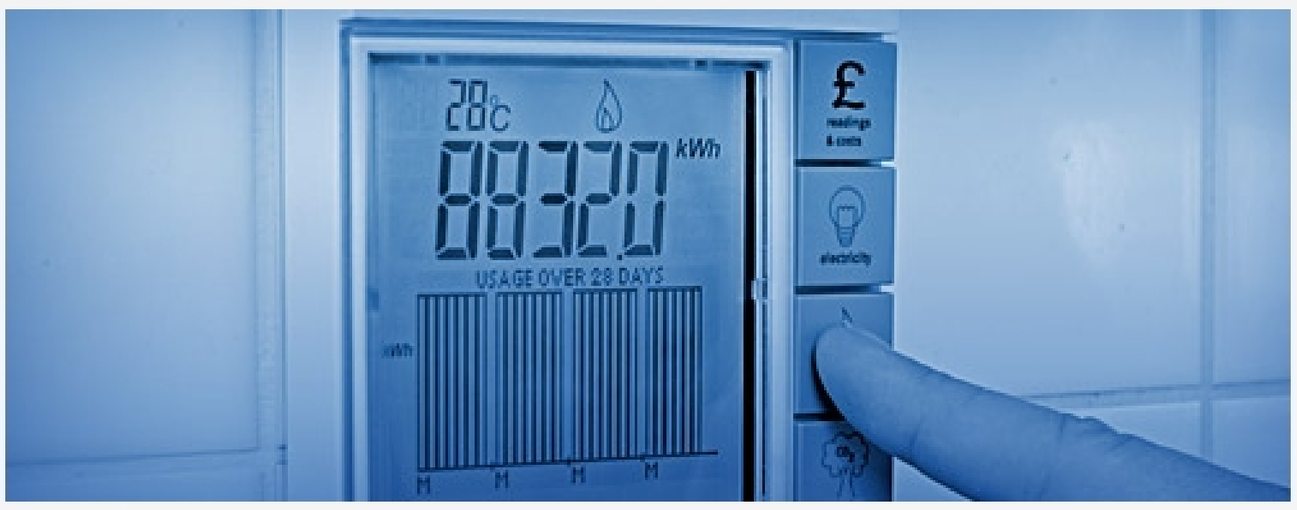
Wireless E-Paper Display Reference Design



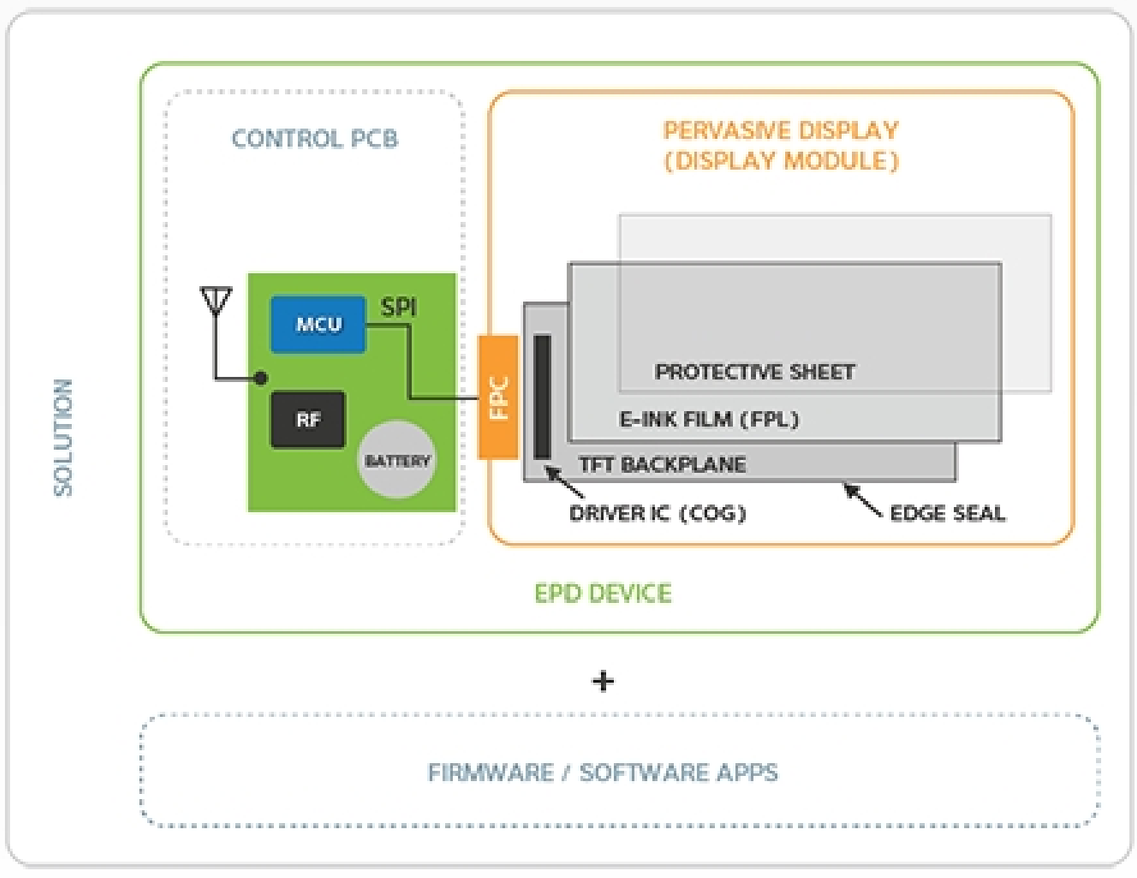
Introduction

This reference design demonstrates a coin-cell operated wireless e-paper display solution based on Atmel® ATmega2564RFR2 (IEEE 802.15.4 compliant). Pervasive Display's e-paper consumes very little power as it can retain the image on the display even if power is removed. E-paper is easy to read due to high contrast and a 180 degree viewing angle. The design can be applied to long-life applications like medical display devices, smart tags, electronic shelf labels, barcode/QR codes, etc.

Key Features

- **E-Paper display**
- **Chip antenna based design**
- **IEEE® 802.15.4 wireless connection**
- **Low power consumption**
- **Temperature sensing**

Block Diagram



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