

E Ink Development Partner

Since the foundation of Ineltek in 1987, customers have trusted us as a technical semiconductor specialist and design-in service provider, supporting innovators and business leaders all over Europe. As E Ink's distribution partner, Ineltek is uniquely positioned to turn your e-paper based concept into a commercial reality.

Ineltek's co-development experience covers a broad range of applications including asset tagging, voting machines, in-home controls, signage, handheld appliances, sports equipment and wearable medical devices. We have the tools and expertise required for a seamless transision from proof of concept to prototype and on to production.



E Ink Displays

E Ink displays are ultra-low power displays that retain their image even when power is removed, making them ideal for low-power applications. Originally developed at MIT in 1997 to create a battery powered electronic book that could last for weeks without charging, it was also developed to allow the user to read off the screen for long periods of time without eye strain. E Ink has since branched out and now develops screens of all shapes and sizes for varying markets from shelf labels to outdoor signage. Originally developed in black and white, displays are now available in greyscale, three colour variants - adding yellow or red into the mix - and with E Ink's new Advanced Colour e-Paper (ACeP™) technology, a full colour gamut can be achieved, including all eight primary colors.

Prototype to Production

The practical process of designing a product based on e-paper is complex and no two engagements are the same. Time to market and revenue are critical. Ineltek's wealth of experience in developing solutions that are fine-tuned to the product's environment, power budget and user experience are invaluable in turning an e-paper product concept into a commercial reality in the shortest time and with the lowest project risk. Ineltek's E Ink development tools are designed to get you up and running with a prototype in a matter of minutes and once you are ready to move on from evaluation, we aim to get you into production as quickly and as easily as possible.

Ineltek's E Ink Development Tools

Microchip Xplained Extensions

- ◆ 1.5" Display (Black/White) EinkXplained015bw
- ◆ 2.6" Display (Black/White/Yellow) EinkXplained026bwy
- ◆ 2.9" Display (Black/White) EinkXplained029bw
- ◆ 2.9" Display (Black/White/Red) EinkXplained029bwr
- ◆ 5.7" Display (Black/White) EinkXplained057bw
- ◆ 5.7" Display (7 Colours) EinkXplained057ac
- ◆ 4.3" Display (4-bit Greyscale) EinkITEXplained043bw

Boards can also be ordered with appropriate Microchip MCU boards



Standalone Development Tools

- ◆ 7.8" Display (4-bit Greyscale) EinkExtCon078bw

Info

Software available on GitHub:



github.com/Ineltek-UK/