

# PICO LABEL

**NEW!**

Combines the advantages of ePaper displays with the convenience of NFC updates



## MpicoSys introduces PicoLabel

**NO BATTERY – NEAR FIELD COMMUNICATION – CUSTOMIZATION AVAILABLE**

- All the benefits that ePaper displays can offer
- The ideal replacement for paper labels
- Customizable to your specific needs

### APPLICATIONS

- Logistic labels – manufacturing, warehousing, transportation
- Badges – identity, authentication, cryptographic security
- Door signage – offices, conference centres

### ePAPER DISPLAYS

Electronic paper displays differ vastly from standard display technologies:

- Perfect paper-like readability regardless of lighting condition or viewing angle
- No power required for displaying static information
- Barcodes (both 1D and 2D) fully recognizable by standard equipment
- On-device image generation based on templates and graphics library

### BATTERY-FREE DISPLAY LABELS

- No batteries required
- No cables, no recharging, never out of batteries – labels are fully sealed
- Built with well-proven RFID technology
- Interface for computers and smartphones using the NFC standard

### QUICK START DEMO KIT – AVAILABLE NOW!

- PicoLabel tag with 2.7" ePaper display (5 pcs)
- NFC USB reader
- Basic demo software (Windows PC)
- Step-by-step startup guide





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### TAILORED TO YOUR NEEDS

Please contact us for a custom-built solution, for example:

- Available in horizontal and vertical, with lanyard bracket
- Available in horizontal and vertical for mounting
- Custom casing, custom color
- Integration with existing infrastructure
- Operation log stored on PicoLabel tag
- Printer driver (Windows, Mac OS X, Linux) allowing direct print to label
- Internet-connected writing stations (POE, WIFI, GSM)
- Central server to manage PicoLabel system
- API for integration with existing backend

### PICOLABEL SPECIFICATION

Display size	2.7"	2.7"	2.7"
Version	v1.x	v2.x	v3.x
Display resolution	264 x 176 px	264 x 176 px	264 x 176 px
Display density	117 dpi	117 dpi	117 dpi
Display colour depth	1 bit (black & white)	2 bit (4 greyscale)	2 bit (4 greyscale)
Display contrast ratio	Min 7:1	Min 7:1	Min 7:1
Display active area size	57.3 x 38.2 mm	57.3 x 38.2 mm	57.3 x 38.2 mm
Dimensions - width x height x thickness	97 x 65.4 x 6 mm	97 x 65.4 x 6 mm	97 x 65.4 x 6 mm
Weight	45 g	45 g	45 g
Image upload time - uncompressed	2.8 sec	0.8 sec	0.8 sec
Display refresh time - quality refresh	2.5 sec	1.6 sec	1.6 sec
Operating temperature range	17.5- 22.5 °C	0 - 50 °C	0 - 50 °C
Power supply source	NFC	NFC	NFC
Batteries	No	No	No
Connectors	No	No	No
Security	No	Password	Smart card controller
Communication standard	ISO 14443A-2	ISO 14443A-4	ISO 14443A-4
Communication frequency	13.56 MHz	13.56 MHz	13.56 MHz
Label material	Polycarbonate (PC)		
Coating technology	UV printing	UV printing	UV printing
Bumper material	Thermo-plastic elastomer (TPE-U)		



**PLEASE CONTACT:**  
**SALES@MPICOSYS.COM**  
**OR VISIT OUR WEBSITE AT**  
**WWW.PICOSIGN.COM**

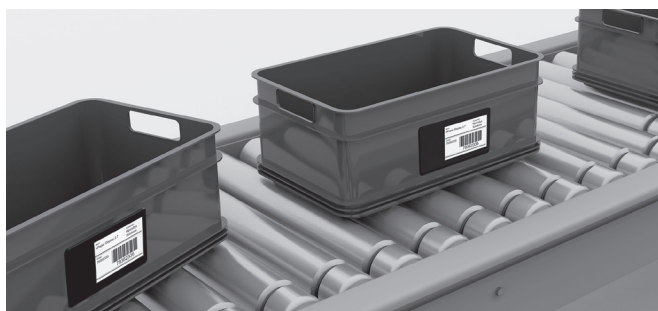
### THE COMPANY BEHIND PICOLABEL

MpicoSys Solutions has developed the PicoSign family ([www.picosign.com](http://www.picosign.com)) and a wide range of devices to meet each and every requirement for ePaper systems.

We are particularly proud of the PicoSign eWall that we installed at the United Nations headquarters in New York as well as the real-time bus stop information system in Copenhagen.

For more information, please feel free to visit our website:  
**WWW.MPICOSYS.COM**

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