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

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

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) 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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