



# Digital Paper Solutions

- Digitize your content with paper-like technology
- Slim, light weight & low power, easy to install & operate
- E Ink SDK/ API/ Sample Code/ Documents help for quick integration



Easy on the Eyes



Paper-Like



Always On



Sunlight  
Readable



Lightweight



Low Power  
Consumption

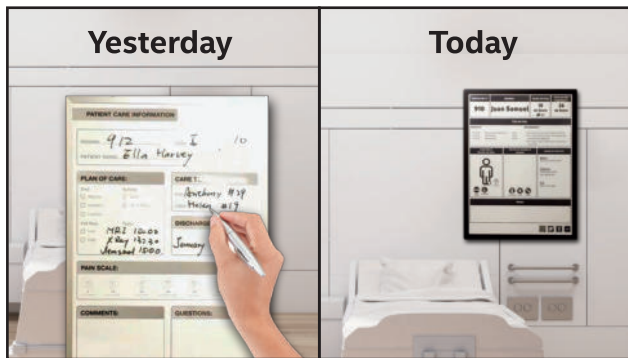


Wide View Angle

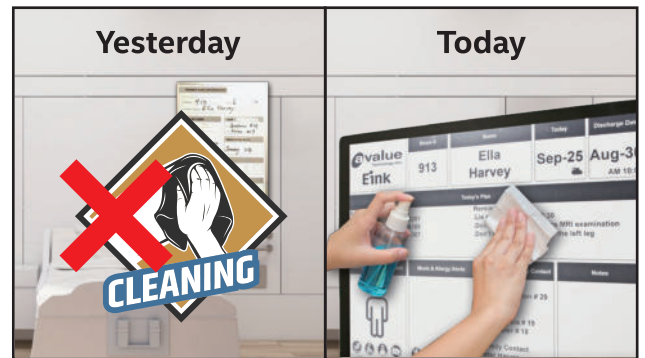
# Benefit of Digital Paper

## Paper-like Display Revolution of the New Technology

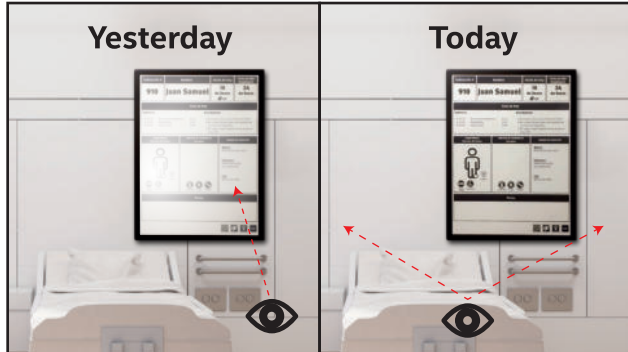
Digital paper can help hospitals to digitize information where it is needed in the patient's room. Digital Paper can displays always-on information even during a power loss it can maintain it's last state of information. It features no light pollution which will not disturb the patient. The product is very low power and only consumes minimal power when you update the information on the display.



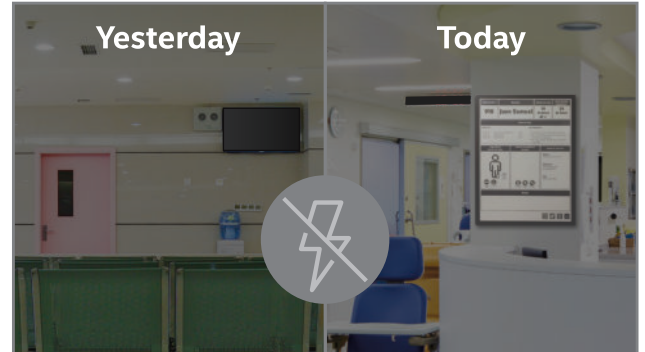
Digitize Traditional Content & Auto Update



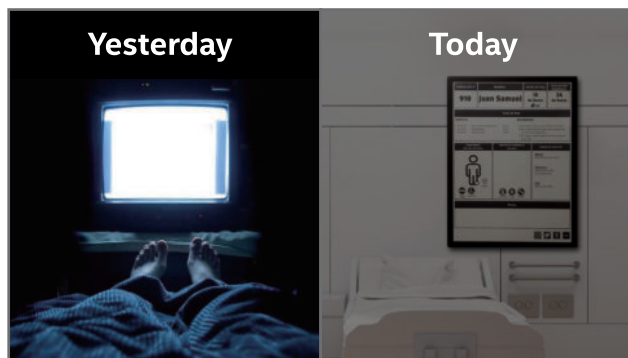
The Board allows for a dust free update and can easily be sterilized



Non-glare background, high contrast and easy to read from all angles



Information always-on and easy to read, even during power outages



Digital Paper does not emit any light and the Board will not disturb patient's rest or sleep



Easy installation - The Board is lightweight, as easy as hanging a picture on the wall





# Digital Paper Solutions

Digital Paper is a light-weight, flexible, and paper-like digital display. It is also a reflective display with bi-stable characteristics and consumes very low power. Digital Paper is the perfect display for all smart devices. Compared with LCD screens, Digital Paper is easier for our eyes because there is no emitting light to disturb patients' sleep or rest, making it an ideal digital display for hospitals and care facilities.

Avalue's Digital Paper solution offers a variety of sizes, from 5.65-inch to 42-inch, which can be applied to various application fields, such as Communication Board, Digital Signage, Bulletin Board, Digital Interactive Whiteboard (IWB), Information board, E-note, Door Room Sign, Bedside Card, etc. In addition, Avalue also opens hardware customization services and provides suitable software services with SI partners to meet each customer's needs. Please welcome to contact us for more information.

<ul style="list-style-type: none"> <li>● <b>Bulletin Board</b></li> <li>● 42"/31.2" Black and White panel, 16 level grey scale</li> <li>● True flat front panel</li> <li>● Dual mPCIe expansion slot</li> <li>● Optional open frame/PCAP touch/front light module</li> <li>● LAN/Wi-Fi/LTE support</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Digital Signage</b></li> <li>● 25.3" Black/White/Red/Yellow 4-color panel</li> <li>● Front cover glass, support IP54</li> <li>● Super slim bezel design</li> <li>● Support linux kernel 5.16</li> <li>● E Ink SDK/API support</li> </ul>	<ul style="list-style-type: none"> <li>● <b>eNote Tablet</b></li> <li>● 13.3" Black and White panel, 16 level grey scale</li> <li>● Extremely thin and light</li> <li>● High-Contrast Display</li> <li>● Up to three weeks use on a single charge</li> <li>● Convenient tool for writing, highlighting, erasing</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Bedside Card</b></li> <li>● 5.65"/13.3" Black/White/Red tri-color panel</li> <li>● Programmable buttons for notification</li> <li>● LED light indicators</li> <li>● Easy to install with wall mount kit</li> <li>● Backend management software &amp; API</li> </ul>	<ul style="list-style-type: none"> <li>● <b>E-table Sign</b></li> <li>● 7.3" Black/White/Red/Yellow 4-color panel</li> <li>● Dual side display with one exquisite pen slot</li> <li>● No power needed during displaying</li> <li>● BLE 5.0 &amp; NFC communications</li> <li>● Android APP support</li> </ul>
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Front View

Rear View

<b>Model Number</b>	<b>EPD-42T</b>
<b>LCD Size</b>	42"
<b>Resolution</b>	H: 2160 x V: 2880
<b>Viewing Angle</b>	180 (U), 180 (D), 180 (L), 180 (R)
<b>Touch Type</b>	Projective Capacitive
<b>Processor</b>	NXP i.MX 7Dual Processor / Dual Arm® Cortex®-A7 Cores And Cortex-M4
<b>System Memory</b>	On-Board 2GB DDR3L
<b>Wireless</b>	Optional Wi-Fi + Bluetooth Module
<b>Storage</b>	On-Board 8GB eMMC
<b>External I/O Connector</b>	2x USB 2.0 1x Micro USB OTG 1x Gigabit Ethernet
<b>Power Requirement</b>	DC +12V Optional POE Power Adapter Optional Expansion Power Bank
<b>Operating Temperature</b>	0°C ~ 40°C (32°F ~ 104°F)
<b>Storage Temperature</b>	-20 ~ 60°C (-4 ~ 140°F)
<b>Operating Humidity</b>	40°C @ 95% Relative Humidity, Noncondensing
<b>Software Support</b>	Android 5.1 (default) / Linux 4.15 (Yocto 2.1)
<b>Dimension</b>	918.8 x 704.6 x 37.6 mm
<b>Certification</b>	CE, FCC Class B



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Solution Guide



Solution Video



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