



Avalue 42-inch 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

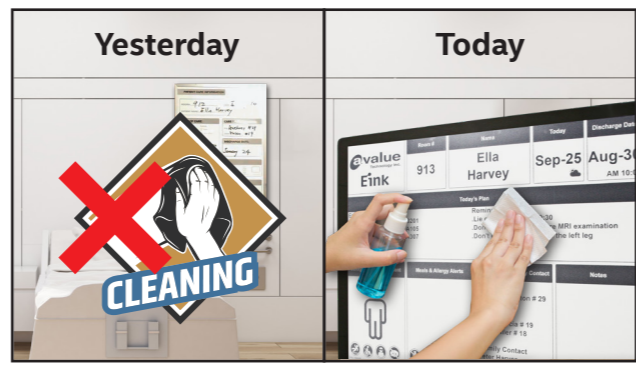
Benefit of Digital Paper

Paper-like Display Revolution of the New Technology

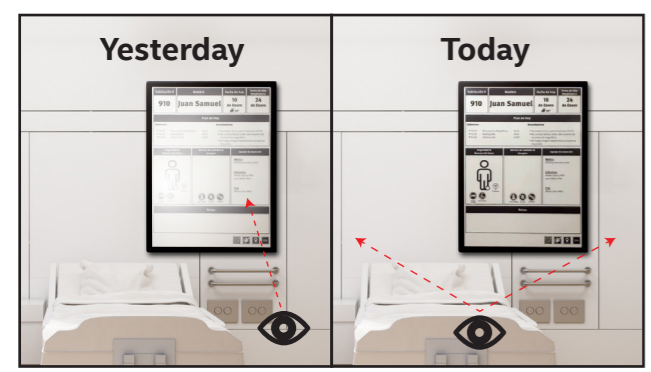
Digital paper can help hospitals to digitize information where it is needed in the patient's room. Digital Paper can displays always-on information even during a power loss it can maintain it's last state of information. It features no light pollution which will not disturb the patient. The product is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



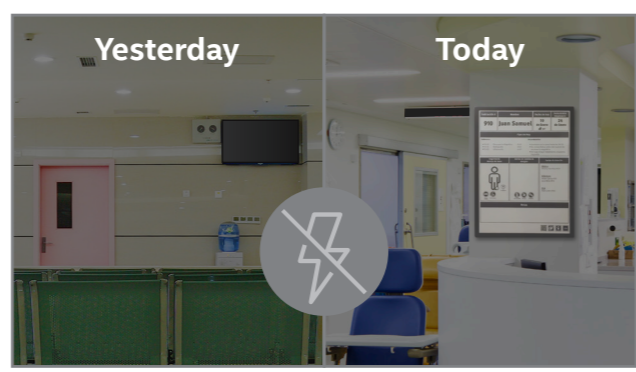
Digitize Traditional Content & Auto Update



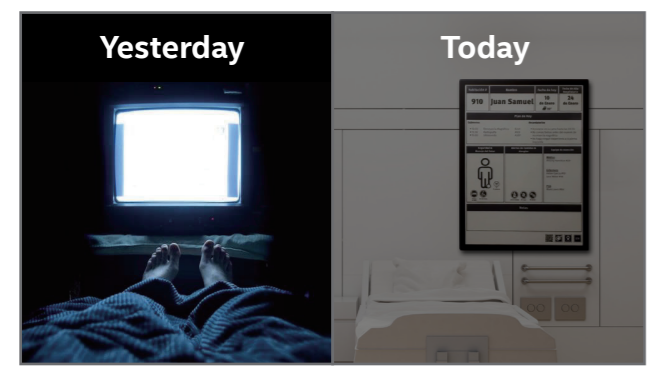
The Board allows for a dust free update and can easily be sterilized



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.

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

Provide real-time care reminder reducing work loading and better care quality

- Integrate patient information from hospital information system and present it on the iMward Bedside Patient Card automatically.
- Provide real-time medical care reminder, improve the care quality and interaction between care givers and patient.
- Reduce the loading and manpower on tedious paperwork, a good first step to achieve the paperless hospital.



Why to choose imedtac

We are Taiwan's Healthcare AIoT expert, who can help you nabling your medical AIoT business.

1000+ bedside cards

10+ institution

iMward Patient Management Platform

The most convenient way - manage your epaper in one time

01 Patient management

Personalized information like treatment process

02 Hospitalization management

Notification query, announcement, account authority

03 Device monitoring

Batter, connection status, and connection time.

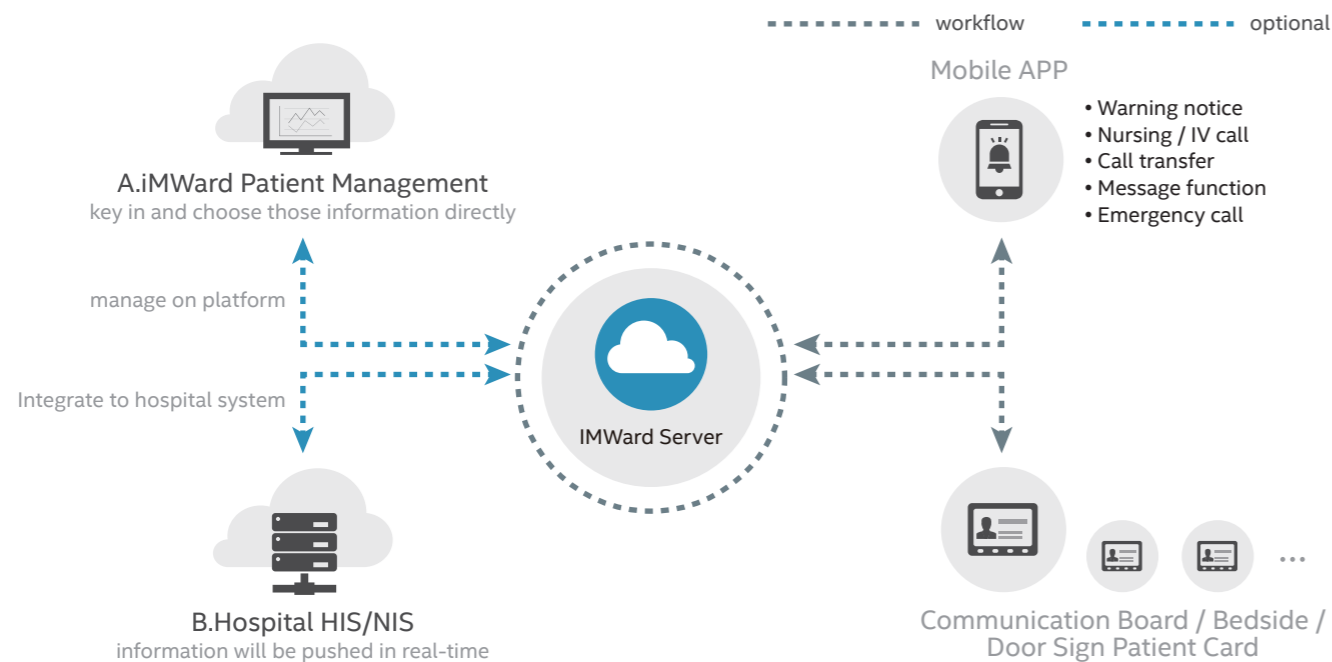


Various sizes and variations - From 9.7" to 42"



9.7"	13.3"	42"
Black/ White/ Red	Black/ White/ Red	Black/ White
4 physical buttons	4 physical buttons	Capacitive touch
built-in 3100mAh	built-in 3100mAh	Output: 60W (12V/ 5A)
WiFi/ BT/ NFC	WiFi/ BT/ NFC	Lan
25 x 20 x 1.8 cm	31.5 x 26 x 2.1 cm	92 x 70 x 4.5 cm
LED indicator	1. HIPAA compliant 2. LED indicator 3. Battery swappable	Support pain management

iMward Bedside Patient Card System Architecture



Nursing Dashboard System

GIPS Technology was established in August 2002. In the past, it has been committed to the development of intelligent geographic information systems (GIS).

In recent years, it has introduced project development experience into enterprise-level solutions and focused on research and development (R&D). The solution of the smart medical system, it is hoped that years of experience in software development and user operation procedures can be introduced into the smart medical system to provide solutions that are more suitable for solving user problems.

Why Choose GIPS



Many years of experience in E-system integration



Diversified application function integration



The interface can be adjusted flexibly

Software Features



Operation Interface / Function Modularization

The function modularized through operation interface for users or SI can s adjust display screen more flexibly.



Software and hardware integration

Can be directly integrated with UWB positioning or open interactive hardware, such as UWB services, direct positioning map into the electronic whiteboard system.



Platform-based architecture development

The platform is open to third-party software support and supporting independent download and installation.



Multi-device browsing management

The system provides import management for devices of different sizes and purposes. For example, the functions and interfaces of large-scale display devices and handheld devices will be different.



Independent dashboard presentation

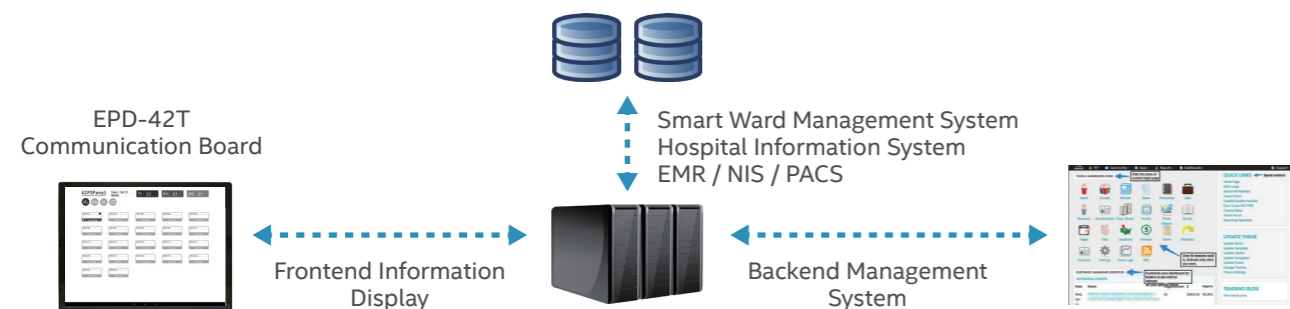
The user interface is designed for hospitals' environment. The user can adjust background and color though dashboard setting tool.



System Maintenance and update feature version

System function updates and additions to maintain the optimization of the electronic whiteboard platform system functions and meet customer needs.

Software Architecture



Help Users Solve Problems

01 Replace the traditional recording method

Solve the problem that the current medical staff use the traditional whiteboard or note-taking recording method, integrate the medical staff's operating habits into the electronic whiteboard, and present information on the electronic whiteboard through an independent system.

02 Solve the problem of information out of sync

It can solve the problem of out-of-synchronization of data or the wrong source in the general traditional recording method, and can input information through the background management.

03 Action input data, not limited to regional venues

Medical staff can install an independent APP to the mobile device they usually carry, and they can log in to the system at any time on the hospital network, and update and record data.

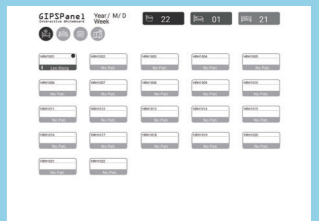
04 Platform compatible and integrated with different software services

It can be connected and integrated with other external systems, and the required information is displayed in the electronic whiteboard, so that users can understand the required information through a system.

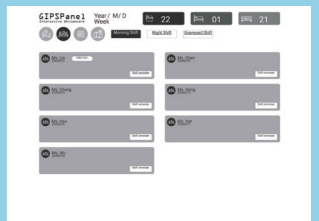
05 Independent account permissions

Each operator has his own account, which is convenient for data management and source sorting.

Software UI



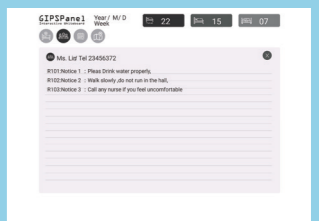
System Landing Page



Shift Schedule



Calendar



Change Shifts Remarks

GIPS Technology was established in 2002, which is committed to providing the best solutions for spatial information management.

Spatial Information Surveying and Mapping

- Indoor map surveying
- UAV aerial photography
- 3D scanning and modeling

Geographic Information System (GIS)

- Utility management system
- Spatial asset management
- Equipment inspection management

Real-time locating System (RTLS) UWB + BLE + GPS

- Precision tracking solutions
- GIPSense UWB + BLE hybrid
- Vehicle GPS tracking



Indoor locating Tag with ePaper Applications



Bed Identification Information Tag

- Bed location information
- Precautions for the equipment of the hospital (Information on malfunction or pending repair)
- Patient personal information
- The bed equipment tracking information



Patient Identification Information Tag

- Regular outing identification
- Status display information board for the patient precautions
- Patient's personal information identification card



Patient Identification Information Tag

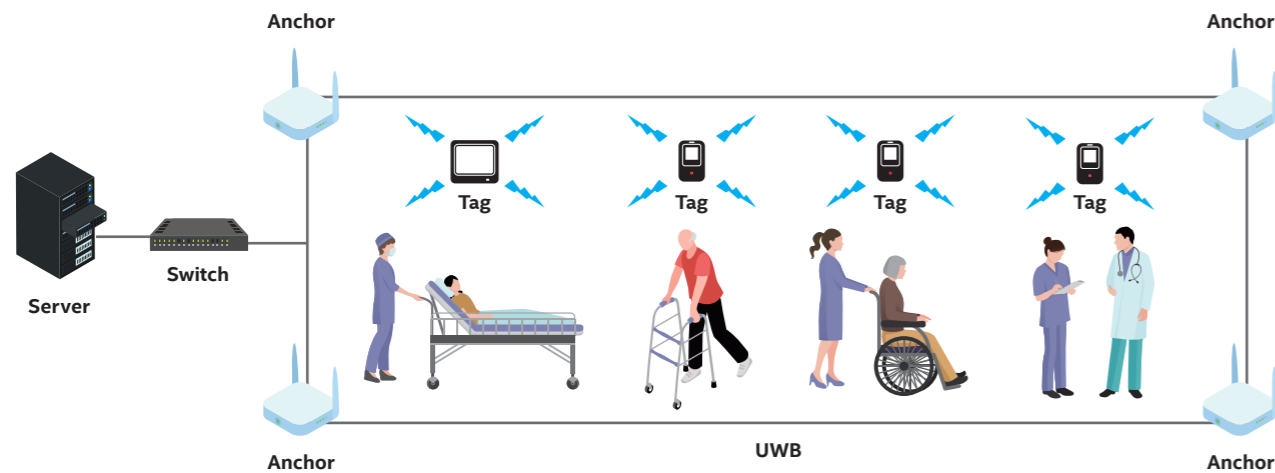
- Emergency prompt information display
- Movement and location safety alarm
- View patient's information through QR code



Doctor Identification Information Tag

- Doctor information display
- Emergency attention information display
- Doctor real-time positioning

System Architecture



Product Specification



for person/asset



for asset



UWB Tag with ePaper Display		
Model Number	GT-120	GT-420
Mechanical & Environmental		
Standard	IEEE802.15.4a/ IEEE 802.15.1	IEEE 802.15.4z/ IEEE 802.15.1
Size (mm)	57×87.5×7	109×98×24
Weight (g)	38	165
Power Requirement	+5V DC-in	-
Power Dissipation	< 1W (Instant)	< 1W (Instant)
Battery Life	> one month@1Hz/TDoA mode	> 2 years@1Hz/ TDoA mode
Blink Rate	0.1 ~ 20Hz (Adjustable)	0.1 ~ 20Hz (Adjustable)
LED	Red Flicker: Low power status Green Flicker: Flash while uwb is working Blue Flicker: Charging status	Red Flicker: Low power status Green Flicker: Normal power status
Temperature	Operating: 0°C ~ 50°C Storage: 0°C ~ 40°C	Operating: -20°C ~ 65°C Storage: -25°C ~ 60°C
Humidity	Operating: 35% ~ 70% Storage: 35% ~ 70%	Operating: 0% ~ 90% without condensation
IP Rating	IP 65	IP 65
Others	SOS Alert, Vibration, Buzzer	-
UWB		
Frequency	3.24GHz~6.74GHz (Channel 1/ 2/ 5)	6.24GHz ~ 8.24GHz (Channel 5/ 9)
Physical Rate	110 Kbps/ 850 Kbps/ 6.8 Mbps	850 Kbps/ 6.8 Mbps
Channel Frequency Width	500 MHz	500 MHz
Working Mode	ToF/ TDoA	ToF/ TDoA
E Ink		
Size	1.54"	4.2"
Colour	Black and white	Black and white (4 gray scales)
BLE		
Frequency	2.4GHz ~ 2.4835GHz	2.4GHz ~ 2.4835GHz
Physical Rate	2Mbps	2 Mbps

UWB Anchor	
Model Number	GA-210
Mechanical & Environmental	
Standard	IEEE802.15.4a IEEE802.11 b/g/n IEEE802.3at IEEE 802.15.1
Interface	DC power interface (Ø 2.0mm) RJ45 10/100Mbps Software Reset
Size (mm)	128 x 134 x 37
Weight (g)	250
Power Requirement	+5V DC-in/ Powered LAN (802.3af)
Power Dissipation	< 10W (avg.)
LED	PWR: Green, Bright after power on UWB: Green, Flicker during positioning interaction LAN: Green, Flicker in wired data transmission Wi-Fi: Green, Flicker in Wi-Fi data transmission BLE: Blue, Bright after power on
Temperature	Operating: -20°C ~ 65°C Storage: -40°C ~ 85°C
Humidity	Operating: 0% ~ 90% without condensation Storage: 0% ~ 90% without condensation
UWB	
Frequency	3.25GHz ~ 6.75GHz (Channel 1/ 2/ 3/ 5)
Physical Rate	110 Kbps/ 850 Kbps/ 6.8 Mbps
Channel Frequency Width	500 MHz
Working Mode	ToF/ TDoA
Time SYNC	Wireless SYNC
Wi-Fi	
Frequency	2.4GHz ~ 2.4835GHz
Channel Frequency Width	20MHz/ 40MHz

Digitize Your Paper Document - Scan, Copy, Print Just One Click

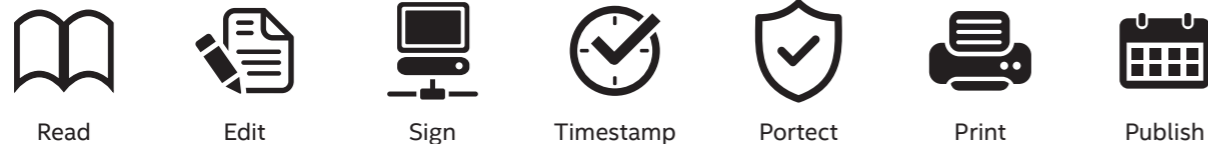
Founded in April 1991 by a group of engineers with strong engineering expertise, Avision designs, manufactures, and markets a complete range of quality, high performance scanners and key components for multi-function products. Through innovative product development, strategic partnerships and successful business models, Avision has become a leading supplier in the scanner industry.

To ensure the world class product quality and reliability, Avision attained ISO-9001 certification in 1993 and ISO-14001 certification in early 2002. The implementation of ISO-9001 significantly helps every employee build quality into every aspect of the company's operation.

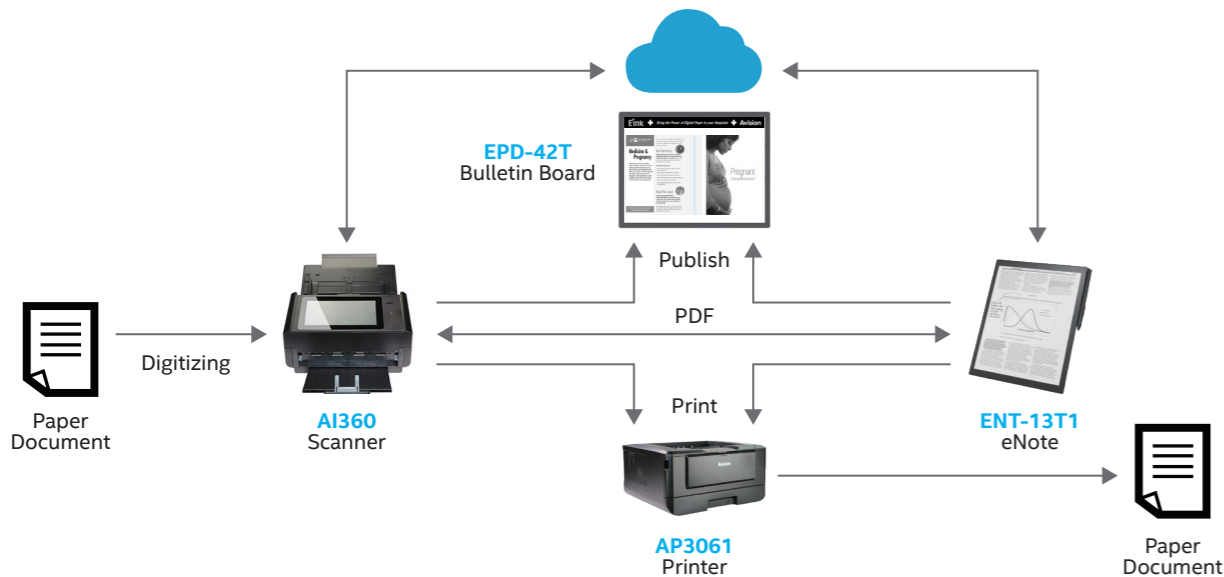


Solution Features

Avision and Avalue are pleased to introduce a fully intergraded hybrid documenting solution for the healthcare applications. The solution allows for a more complete integration of both paper and digital paper solutions. We utilize the eNote for patient and healthcare workers to fill out medical forms, rounding notes and records electronically. Previous paper records can easily be digitalized by using the AI350 high speed scanner. The solution also provides editing, signing, timestamping, higher levels of security and other advanced features. The document can be published to EPD-42T bulletin board for public notification or printed using the AP3061 specialized printer, which can support up to 22" paper to accommodate wide range of different forms. We realize every customer is unique and therefore we also provide EHR integration and customization services.



System Architecture



Solution Specification

EPD-42T
Bulletin Board



- 42" E Ink monochrome ePaper
- Display built-in touch screen
- High performance i.MX 7 dual processor
- Ultra-low power consumption
- Ultra-wide viewing angle
- No power needed to maintain display image
- Front IP65, Rear IPX1
- Sunlight readable and doesn't require a backlight

ENT-13T1
13.3" eNote Tablet



- 13.3" E Ink display
- High-contrast, High-resolution glare-free screen for easy reading
- Ultra low power
- Extremely thin and light
- Stylus for responsive data entry/ writing

AI360
Scanner



- Easy-to-operate 8" LCD touch screen
- Hold 100 sheets in Automatic Document Feeder (ADF)
- Fast scans up to 60 ppm/ 100 ipm (A4 size, color, 300dpi)
- Build in ultrasonic sensor to detect paper jam
- A duplex scanner suitable for document and cards
- Energy star certificated

AP3061
Printer



- Convenient mobile printing
- Fast, High-quality printing
- ID card copy (Optional)
- Built-in duplex print unit
- Remote device management via the embedded web page

Hospital Signage and Patient Room Display

DSignage is a client-centric system integrator that leverages many different software and hardware combinations to help client achieve their goals quickly. Skip the learning curve and go LIVE without hassle with content development and managed services. Making your life easier!



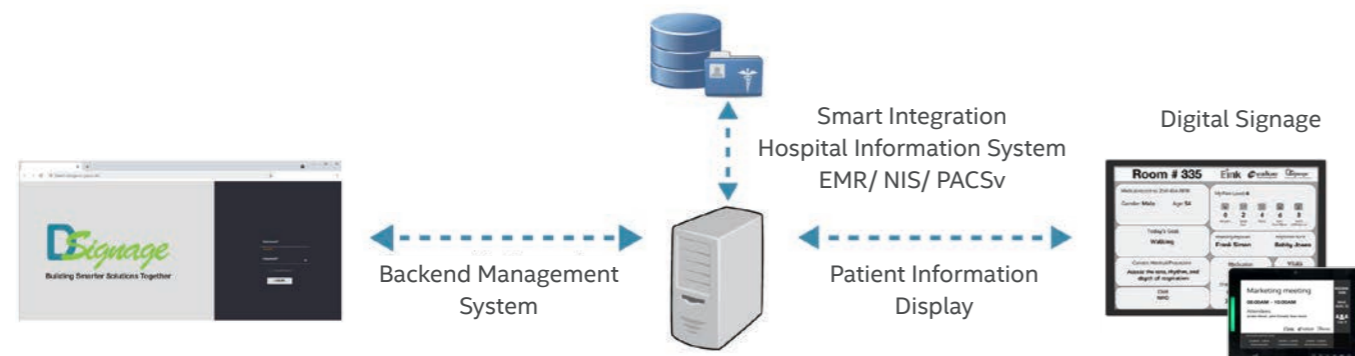
Solution Features

Digital signage system integration and managed service provider. Flexibility to use and create positive experiences in healthcare through mobile applications, large format video walls, interactive information stations, employee communications, eink patient room displays/nursing boards and more.

One-Stop-Shop for your digital transformations needs with digital signage as a service. Complete flexibility to leverage different content management systems and hardware specs to create the optimal communication environment without limits!

System Architecture

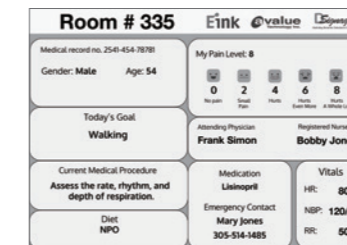
Define pain points, collaborate with IT to know infrastructure requirements, design the digital solution, approve, test, implement, monitor, survey, and support when needed. Solutions are designed to your needs, tailored to your environments and created following marketing guidelines to fit the look and feel prior to rollout.



Hospital Signage Application



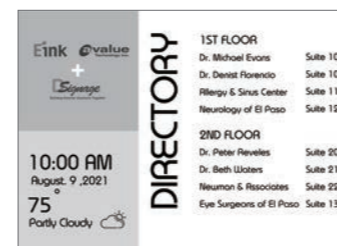
Nursing Station Dashboard



Ward Communication Board



Hospital Signage



Hospital Directory



Meeting Room Display



Menu Signage

Solution Specification

EPD-42T
42" Digital Paper



VNS-15W01
15.6" Panel PC



VNS-10W01
10.1" Panel PC



Innovative in-room and outpatient multimedia platform

A healthcare player for more than 12 years, we design digital solutions that help to secure the patient care pathway.

We cover the entire patient care pathway through several patient-centric solutions at the service of healthcare professionals.

Our expertise in the eHealth sector has enabled it to deliver high-performance, innovative software used in more than 350 healthcare centres in more than 15 countries

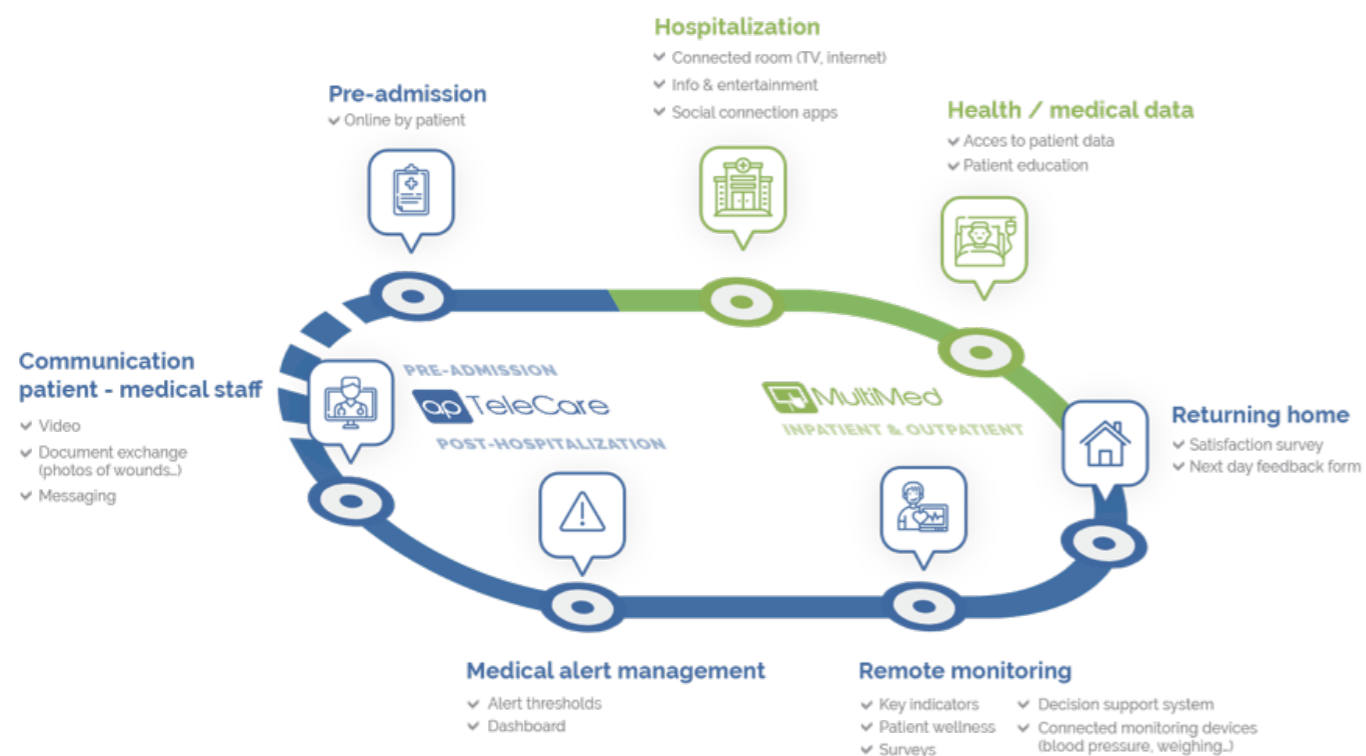
Solution Features

3 main solutions to cover all the patient pathway :

- Multimed : an Android based multimedia entertainment and medical information solution that can be used by healthcare centers for both inpatient and outpatient care.

- apTeleCare : medical telemonitoring solution for patient care and monitoring from pre-admission to post-operative

System Architecture



Solution Specification

MultiMed revolutionises the daily life of patients and the care team efficiency. MultiMed delivers a complete Android multimedia solution to healthcare centers. From a digital device, the app enhances the patient's comfort and communication with the center. MultiMed delivers a flexible and open-ended solution to healthcare facilities. Patient can access to informations, entertainment and can use new and innovative added services due to third party services connections : meal ordering, automation, room service, nurse call, etc.... Multimed is also a way to improve caregivers work by giving them access to new features on the terminal : acces to EMR, xRay and any other medical application directly on the touchscreen.

apTeleCare is the secure medical remote monitoring solution that meets the needs of healthcare establishments to take care of their patients with various pathologies, directly at their homes. It ensures a continuous exchange between the patient and the healthcare professionals. In addition, apTeleCare enables its customers to easily and quickly create solutions to monitor remotely any kind of patients whatever his pathology, and maintaining the remote link with chronic patients at risk. The apTeleCare telemonitoring solution has naturally adapted to health constraints: it offers a new organization for monitoring patients at their homes and thus relieves the very strained caregivers.

VNS-15W01
15.6" Panel PC



- 15.6", 1920 x 1080
- Projective Capacitive Touch
- Intel® Atom™ x5-Z8350 1.92GHz
- Up to 4GB RAM, 64GB eMMC
- DC +12 ~ 24V
- 410 x 269 x 38 mm
- Windows, Android, Linux

HID-2138
21.5" Medical Panel PC



- 21.5" FHD Display with PCAP Multi-Touch
- Intel® 11th gen Tiger Lake U Core Processor
- Front Panel IP65
- Fanless Design
- Ultra-Slim Design
- Optional NFC/ Webcam/ Handset



Front View



Rear View

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



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Solution Guide



Solution Video



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