Product Cateloge

Smart Healthcare Solutions

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SEEKINK

Beyond Paper, Smarter World

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TAG SERIES FOR SMART HEALTHCARE

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Contact 33

025
Obstetrics
Ash
28 years o
Levofloxacin injection
gamma blastodisc globu
high prote
Fall prevention
Pay attention to abdominal pain
No greasy
Check in time
Hospital number
Room #6C19
Attending Physician
Tony Stark
Resident Physician
Harry Osborn
Master Nurse
Gwen Stacy
Please Knock Before Come In
No Visitors
Universal Precautions
Contact Isolation
089 bed
Bed # 2, 3
Superior
Physicia

INTRODUCTION

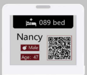
Since the establishment in 2015, Jiangxi Xingtai Technology has been committing to provide one-stop ePaper service to IoT industries. As the main brand of Xingtai, SEEKINK is never content with our capacity of module manufacturing, and tries to provide more e-ink solutions to various IoT industries, including smart workspace, smart education, e-table t/reader, smart healthcare and more.

SEEKINK now is focusing on two production line-module manufacturing and IoT ePaper products. Over the past years, we've been concentrating resources in product research and development, and gained over 110 patents of ePaper technology. We invest over 5 million USD per year on module and product development, and hope to explore more potentials in IoT industries.

SEEKINK is not a dealer or a trading enterprise, but a national high-tech company focusing on ePaper development. The module manufacturing capacity has reached 44 million by 2022, and is in the fast growth. We boast our fist-class well-equipped module manufacturing machine and 110 plus professional experts, and the development team is in the expension.

Beyond paper, smart world. The brand slogan is also the mission in mind. We are continuing to explore what our products could to help improve IoT industries and to help protecting the planet. Now SEEKINK is rolling out smart paperless workspace solutions- Bedside Patient Card and Doorplate, to help improve workplace productivity and interconnection.

01


089 bed
Nancy
Male
Age: 47

4.2"

T042
E-Bedside Card

02

025
Obstetrics
Ashley
28 years old
Emma
Joyce
Levofloxacin injection (0.2);
gamma blastodisc globulin; kanamycin
Fall prevention
Pay attention to abdominal pain
No greasy
high protein; low fat
Check in time 2022/09/06
Hospital number 030654

7.5"

T075B
E-Bedside Card

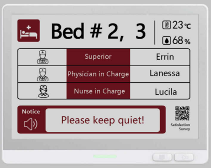
03

Room #6C19
Attending Physician
Tony Stark
Resident Physician
Harry Osborn
Master Nurse
Gwen Stacy
Please Knock Before Come In
No Visitors
Universal Precautions
Contact Isolation

7.5"

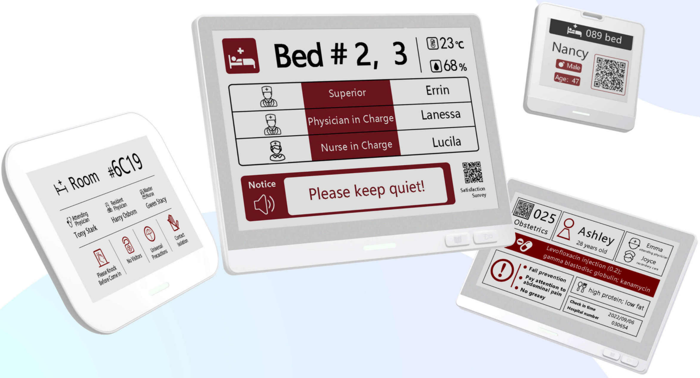
T075A
E-Bedside Card

04


Bed # 2, 3
23℃
68%
Superior
Errin
Physician in Charge
Lanessa
Nurse in Charge
Lucila
Notice
Please keep quiet!
Satisfaction Survey

11.6"

T116
Digital Doorplate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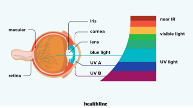
KEY FEATURES

Eliminate ward light pollution

EPaper screen brings paper-like display effect, and it eliminates blue light and eye strain, compared with traditional display. Digital paper solution in hospital also helps eliminate mental tension caused by long-time exposure of light pollution.


macular
retina
iris
cornea
lens
blue light
UV A
UV B
near IR
visible light
UV light
healthline

Flexible Integration Options

We offer a range of integration methods to update messages on the device. You have the option to choose from Bluetooth, NFC, Bluetooth 5.1, and cloud-based integration, based on your specific requirements.

UP TO 5 Year LIFESPAN

Up to 5 year battery life

Our displays are designed with low power consumption, resulting in an exceptionally long battery life. When in static (non-refreshing) status, the display consumes zero power. This efficient design allows devices to operate for over five years without the need for battery replacement or recharging.

Place & Play for easy maintenance

Tags can be easily placed on back panels or attached to the bedside wall using a 3M adhesive stripe. This flexible placement allows for convenient positioning based on your specific needs. Also, our wireless mount option eliminates messy wirings, simplifying device management and ensuring a clean and organized environment.

Powered by cell batteries

The units are powered by built-in cell batteries, eliminating hassles of wiring. Moreover, this battery-powered solution contributes to improved electrical safety in hospitals. By removing the reliance on external power sources, our units offer enhanced convenience and peace of mind for both patients and healthcare professionals.

5.1
Bluetooth

Bulk edit with Bluetooth 5.1

The devices leverage Bluetooth 5.1 for fast and reliable transmission. Additionally, the Bluetooth base station enables efficient device management and bulk image refresh capabilities. performance.

Unmatched Customizability

Our TAG series stands out with its unparalleled customizability. Products can be tailored to specific requirements. You have the flexibility to customize button functions, ID design, overall functionality, and even switch the cell battery to a lithium-ion battery. This level of customization ensures that products align perfectly with your unique needs, giving you a truly personalized solution.

Programmable buttons

The T116 door sign is equipped with two buttons for extra convenience. One activates the LED light, providing illumination to the screen in darkness without causing eye glares. And the other is dedicated to page turning, allowing easy navigation through the displayed content.

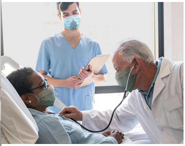
ep quiet!
Satisfaction
Survey

PRODUCT APPLICATIONS

T075A/T075B

Information at a glance

The bedside display conveniently showcases essential patient information such as their name, gender, age, diet, allergies, and relevant diagnostic details. Which allows doctors or nurses to quickly access and review important patient information at a glance, facilitating ease during daily ward rounds. By providing a concise overview of patient basics, our display enhances efficiency and streamlines healthcare workflows for improved patient care.



Targeted Care and Efficient Management

The digitalized information displayed on our system empowers nurses and caregivers to take targeted and informed care measures based on the displayed data. By seamlessly integrating the information into the hospital system, it not only saves valuable time for caregivers but also improves overall management efficiency. The ability to access and utilize patient information effectively enhances the quality of care provided and optimizes healthcare management processes.

Reducing Communication Errors Enhancing Care

Communication errors contribute to 65% of reported sentinel events and medical malpractices. By displaying digitalized patient information, we significantly reduce the risk of such errors, leading to better patient care. Our system ensures accurate and up-to-date information for healthcare professionals, minimizing misunderstandings and improving communication within the care team.

T042

T116

089 bed
Nancy
Male

Concise Information Display with Privacy Considerations

The 4.2-inch bedside screen displays concise patient information such as their name, age, and attending doctor. Out of privacy concerns, extra information can be integrated into a QR code. By scanning the QR code, healthcare professionals can explore the integrated information without compromising patient confidentiality, ensuring a balance between information accessibility and privacy protection.

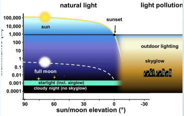
Enhance internal communication

Display ward information clearly like the bed number, attending doctors, and caring cautions, etc., to help healthcare provider and visitors easily know the information. Besides, healthcare facilities are usually busy with tight schedules filled with patient appointments. These establishments can benefit from using signage to communicate internal information due to the effectiveness and efficiency of this method.

Bed # 2, 3
Superior
Errin
Physician in Charge
Lanessa
Nurse in Charge
Lucila
Please keep quiet!

Reduce ward light pollution

Exposing patients to excessive light pollution can lead to increased tension and potentially worsen their condition. Our ePaper solutions offer a valuable solution by eliminating light pollution in the ward. Unlike traditional displays, ePaper technology ensures a comfortable caring setting for patients. By minimizing light pollution, we create a soothing environment that promotes relaxation and enhances the overall well-being of patients under our care.



Effective wayfinding signs

Navigating in large hospitals can be frustrating for patients and visitors, given the size, high activity, and unfamiliarity. Doorplates placed on the doors play a crucial role in directing patients and providing clear guidance. By facilitating wayfinding, patients can easily navigate the hospital premises, reducing their stress and improving their overall experience. Additionally, doorplates also benefit the staff by ensuring efficient navigation, allowing them to focus better on their duties and provide optimal care to patients.

Improve efficiency on rounds

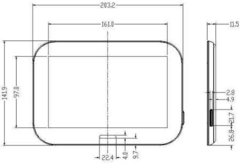
The 4.2-inch display can be placed at the end beside the ward bed. It presents essential patient data, allowing nurses to quickly access information during daily rounds, without disturbing them. This streamlined approach significantly improves the efficiency of rounds while ensuring minimal disruption to patients' rest and recovery.

Empowering Caregivers with Digitalized Information

Our system provides caregivers with digitalized patient information, enabling targeted and informed care measures. Seamless integration into the hospital system saves valuable time and improves overall management efficiency. Effective access and utilization of patient data enhance care quality and optimize healthcare processes.

PRODUCT SPECS

T075A


203.2
161.0
11.5
141.9
97.0
2.8
4.9
21.7
26.8
22.4
4.0
9.7

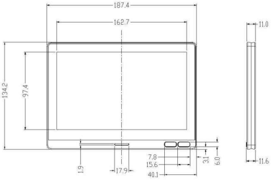
- 5-year battery life
- 3-color options
- Paper-like display
- Remove light pollution
- Support customization

TECHNICAL SPECIFICATIONS

Model T075A	**Angle of view** 180°	**LED** 3-color LED	**Transfer method** Bluetooth base station; Android App
Size 7.5 inch	**Battery spec** 6X CR2450; 3600mAh	**Max drop distance** 0.6 m	**Transmit power** 6dBm
Resolution 800 x 480	**Battery type** Repleaceable cell batteries	**Operating temperature** 0-40 °C	**Channel bandwidth** 2Mhz
DPI 124	**Battery life** 5 years (5 refresh per day)	**Working temperature** 0-40 °C	**Sensitivity** -94dBm
Color Black, white and red	**Button** 1x	**NFC** Customizable	**Transmission distance** Bluetooth staion-20m; App-10m
Dimension 203 x 142 x 11.5 mm	**Working current** 4mA in average	**Input current** Max. 3.3 V	**Frenquency shift** ±20kHz
Weight 236 g	**Bluetooth** Bluetooth 5.1	**Transmission frequency band** 2400Mhz - 2483.5Mhz	**Static current** 8.5uA

T075B

025
Obstetrics
Ashley
26 years old
Emma
Joyce
Levofloxacin injection (0.2),
gamma blastodisc globulin, kanamycin
Fall prevention
Pay attention to abdominal pain
No greasy
high protein; low fat
Check in time
Hospital number
2022/09/06
030654


187.4
162.7
11.0
134.2
97.4
1.9
17.9
7.8
15.6
40.1
3.1
6.0
11.6

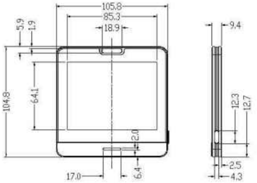
- Anti blue light screen
- Place and play device
- Programmable buttons
- Front light illumination
- Highly customizable

TECHNICAL SPECIFICATIONS

Model T075B	**Angle of view** Approx. 180°	**LED** 3-color LED (Programmable)	**Transfer method** Bluetooth base station; Android App
Size 7.5 inch	**Battery spec** 8X CR2450; 4800 mAh	**Max drop distance** 0.6 m	**Input voltage** Max. 3.3 watts
Resolution 800 x 480	**Forelight** Forelight illumination	**Operating temperature** 0-40 °C	**Channel bandwidth** 2Mhz
DPI 124	**Button** 1X Page up/down; 1X Frontlight	**Working temperature** 0-40 °C	**Sensitivity** -94dBm
Color Black, white and red	**Pages supported** 6X	**NFC** Customizable	**Transmission distance** 15m for App; 20m for Bluetooth station
Dimensions 187.5 x 134 x 11 mm	**Battery life** 5 years (5 refresh per day)	**Platform** Web client (Bluetooth station); App;	**Frequency shift** ±20kHz
Weight 236 g	**Bluetooth** Bluetooth 5.1	**Transmission frequency band** 2400Mhz - 2483.5Mhz	**Working current** 4.5mA (static); 13.5mA (working+LED on)

T042

089 bed
Nancy
Male
Age: 47

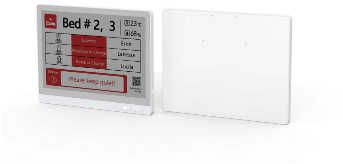

105.8
85.3
18.9
5.9
1.9
104.8
64.1
2.0
17.0
6.4
9.4
12.3
12.7
2.5
4.3

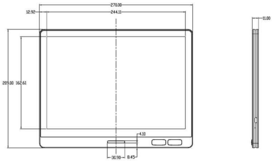
- 5-year battery life
- 3-color options
- Front light button
- No light pollution
- Highly customizable

TECHNICAL SPECIFICATIONS

Model T042	**Angle of view** 180°	**LED** 3-color LED	**Input current** Max. 3.3w
Size 4.2 inch	**Battery spec** 4X CR2450; 2400 mAh	**Max drop distance** 0.8 m	**Transmit voltage** 6dBm
Resolution 400 x 300	**Button** 1X	**Operating temperature** 0-40 °C	**Channel bandwidth** 2Mhz
DPI 119	**Battery life** 5 years (5 refresh per day)	**Working temperature** 0-40 °C	**Sensitivity** -94dBm
Color Black, white and red	**Materials** PC+ABS	**NFC** Customizable	**Transmission distance** 15m for App; 20m for Bluetooth station
Dimension 106 x 105 x 10 mm	**Bluetooth** Bluetooth 5.1	**Transfer method** Bluetooth base station; Android App	**Frenquency shift** ±20kHz
Weight 95 g	**Static current** 9uA in average	**Transmission frequency band** 2400Mhz - 2483.5Mhz	**Working current** 3.5 mA in average

T116


Bed # 2, 3
23℃
68%
Superior
Errin
Physician in Charge
Lanessa
Nurse in Charge
Lucila
Notice
Please keep quiet!
Satisfaction Survey


270.00
244.11
12.92
11.00
209.00
162.61
4.10
30.90
8.45

11.6'' large display

Place and play device

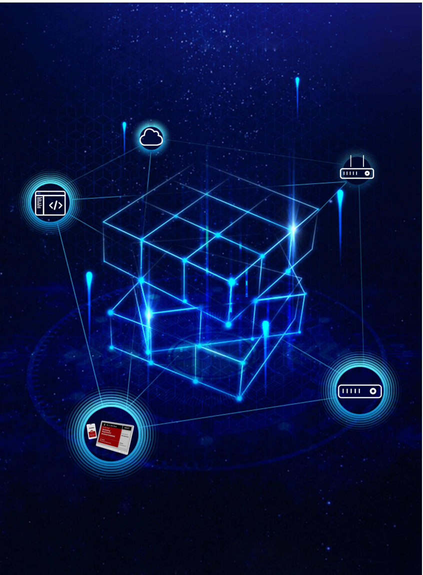
Programmable buttons

Up to 5-year lifespan

Highly customizable

TECHNICAL SPECIFICATIONS

Model T116	**Angle of view** Approx. 180°	**LED** 3-color LED (Programmable)	**Transfer method** Bluetooth base station; Android App
Size 11.6 inch	**Battery type** 2X CR2450*6	**Max drop distance** 0.6 m	**Input voltage** 3.3 watts
Resolution 640 x 960	**Battery capacity** 2X 3600 mAh	**Operating temperature** 0-40 °C	**Channel bandwidth** 2Mhz
DPI 100	**Button** 1X Page up/down; 1X Frontlight	**Working temperature** 0-40 °C	**Sensitivity** -94dBm
Color Black, white and red	**Color** White (customizable)	**NFC** Customizable	**Transmission distance** 15 meters
Dimensions 266 x 195 x 7.5 mm	**Materials** PC + ABS	**Platform** Web client (Bluetooth station); App;	**Frequency shift** ±20kHz
Weight 614 g	**Bluetooth** Bluetooth 5.1	**Transmission frequency band** 2400Mhz - 2483.5Mhz	**Working current** 7.8 mA in average



INTEGRATING METHODS

I. Via Bluetooth Base Station

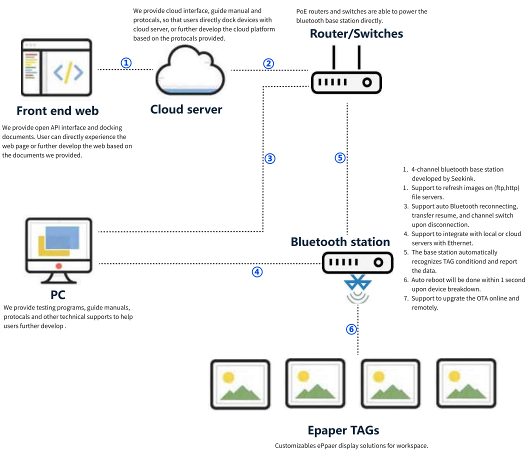
II. Dongle Integration

III. Bluetooth Integration

It may be hard for the hardware products to work alone. To help integrate the epaper products with software or your platform, we also provide our self-developed Bluetooth base station, cloud platform and some necessarey protocals or documents to help integrate into the system.

Users may demand various integration methods based on actual needs. We provide local integration method (Dongle) to users who attach more attention on data security, to update images on devices. Uses can also update images via cloud network and Ethernet integrating.

I. Via Bluetooth Base Staion



We provide cloud interface, guide manual and protocals, so that users directly dock devices with cloud server, or further develop the cloud platform based on the protocals provided.

PoE routers and switches are able to power the bluetooth base station directly.

Router/Switches

Front end web

We provide open API interface and docking documents. User can directly experience the web page or further develop the web based on the documents we provided.

Cloud server

Bluetooth station

1. 4-channel bluetooth base station developed by Seekink.
1. Support to refresh images on (ftp,http) file servers.
3. Support auto Bluetooth reconnecting, transfer resume, and channel switch upon disconnection.
4. Support to integrate with local or cloud servers with Ethernet.
5. The base station automatically recognizes TAG conditiond and report the data.
6. Auto reboot will be done within 1 second upon device breakdown.
7. Support to upgrate the OTA online and remotely.

PC

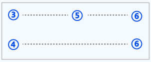
We provide testing programs, guide manuals, protocals and other technical supports to help users further develop .

Epaper TAGs

Customizables ePpaer display solutions for workspace.

Integrating Procedures

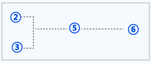
Method 1



Bluetooth base station can be directly integrated with PC, or with router and PC station together.

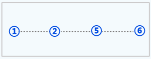
The file servers can be built on PCs.

Method 2



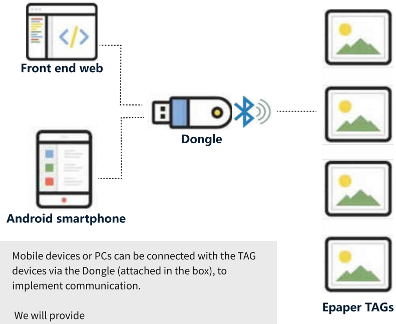
The file servers (ftp,http) can be put on the cloud, or on local servers. Surely, you may flexibly put it on cloud or on local server at your will.

Method 3



The fore end will call the API protocols, and directly access the cloud server via front web.

II. Dongle Integration



Front end web

Dongle

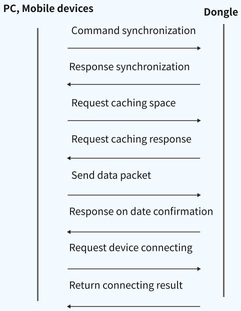
Android smartphone

Epaper TAGs

Mobile devices or PCs can be connected with the TAG devices via the Dongle (attached in the box), to implement communication.

We will provide
--communication protocol files and documents.

Integrating Procedures



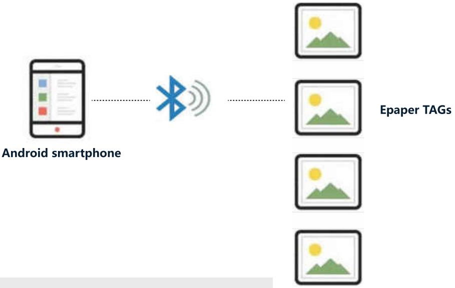
PC, Mobile devices **Dongle**

Command synchronization →
Response synchronization ←
Request caching space →
Request caching response ←
Send data packet →
Response on date confirmation ←
Request device connecting →
Return connecting result ←

Following the procedures above, connect the dongle and devices via communication protocols.

--testing program
--guide book for the testing program

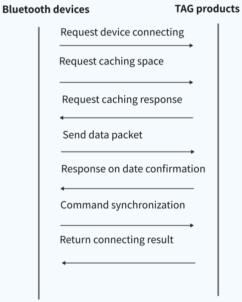
III. Bluetooth Integration


Android smartphone
Epaper TAGs

Bluetooth devices can be connected with TAG devices via your mobile devices, to implement communication.

We will provide
--communication protocol files and texts.
--testing program
--guide book for the testing program

Integrating Procedures


Bluetooth devices
TAG products
Request device connecting →
Request caching space →
Request caching response ←
Send data packet →
Response on date confirmation ←
Command synchronization →
Return connecting result ←

Following the procedures above, connect the dongle and devices via communication protocols.

SEEKINK
Beyond Paper, Smarter World

Partner with Seekink

Are your considering building your business with one of our solutions? Or are you interested in becoming a partner or conducting business with Seekink? Seekink is not only driving innovations on ePaper slutions, and we are seeking for more partners to utilize our techinologies to better this planet.

WHT PARTNER WITH US?
Seekink boasts a professional R&D teams with over 100 experts and 110+ patents. The year production capacity of modules and devices reaches 44 million pieces. We offer sustainable solutions, innovation approches and professional service.

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Website: www.seekink.com

Website

LinkedIn