REN-CBW &

EBC-05B1

Renity CBS Gateway 5.65" E-ink Bedside Card

Quick Reference Guide

3rd Ed – 07 December 2020

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Part No. E2017RBW0A2R

FCC Statement



FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: -Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/ TV technician for help.

CAUTION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For EBC-05B1

The equipment complies with FCC RF exposure limits set forth for an uncontrolled environment.

The equipment must not be co-located or operating in conjunction with any other antenna or transmitter.

For REN-CBW

RF exposure warning

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels. The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/eot/ea/fccid after searching on FCC ID: 2AC7Z-ESP32WROOM32U

A Message to the Customer

Avalue Customer Services

Each and every Avalue's product is built to the most exacting specifications to ensure reliable performance in the harsh and demanding conditions typical of industrial environments. Whether your new Avalue device is destined for the laboratory or the factory floor, you can be assured that your product will provide the reliability and ease of operation for which the name Avalue has come to be known.

Your satisfaction is our primary concern. Here is a guide to Avalue's customer services. To ensure you get the full benefit of our services, please follow the instructions below carefully.

Technical Support

We want you to get the maximum performance from your products. So if you run into technical difficulties, we are here to help. For the most frequently asked questions, you can easily find answers in your product documentation. These answers are normally a lot more detailed than the ones we can give over the phone. So please consult the user's manual first.

To receive the latest version of the user's manual; please visit our Web site at: http://www.avalue.com.tw/

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1. Getting Started

1.1 Safety Precautions

Warning!



Always completely disconnect the power cord from your chassis whenever you work with the hardware. Do not make connections while the power is on. Sensitive electronic components can be damaged by sudden power surges. Only experienced electronics personnel should open the PC chassis.

Caution!



Always ground yourself to remove any static charge before touching the CPU card. Modern electronic devices are very sensitive to static electric charges. As a safety precaution, use a grounding wrist strap at all times. Place all electronic components in a static-dissipative surface or static-shielded bag when they are not in the chassis.

1.2 Packing List

- Gateway (REN-CBW)
 - 1 x REN-CBW
 - 1 x Adapter & Cord
- Patient Information Display (EBC-05B1)
 1 x EBC-05B1 (*Batteries are not included)
- Optional Box PC Server (EPS-CFS2)
 - 1 x EPS-CFS2
 - 1 x Adapter & Cord



If any of the above items is damaged or missing, contact your retailer.

1.3 System Specifications

	REN-CBW			
System				
Mother Board	REN-CBW Mother Board			
МСИ	ESP32-WROOM-32U/MDBT50Q-U1M			
Frequency	32.768KHz			
Wireless	802.11 b/g/n			
Bluetooth	BT Bluetooth v4.2 / Bluetooth 5			
Button				
Front side external I/O	1 x button			
Mechanical &				
Environmental				
Power Requirement	DC +5V with Micro USB connector			
Power Type	5V DC			
Dimension	110.67 x 60.67 x 21.5			
Weight TBD				
Color	White			
Holder	1 x Holder			
Adapter	1 x 5V AC to DC USB Adapter			
USB cable	1 x Micro USB to USB cable			
Reliability				
EMI Test	NCC & FCC Class B			
Safety	Avalue Standard Test Criteria			
Vibration Test	Avalue Standard Test Criteria: Random 5~500/5G			
Mechanical Shock Test	Avalue Standard Test Criteria : Sine wave/10G			
Drop Test	Avalue Standard Test Criteria			
Operating	0°C - 40°C			
Temperature	0°C ~40°C			
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing			
Storage Temperature	0°C ~ 60°C			
Power Consumption	5mA			
BLE transmission range	80mBLE			
Drop Spec.	120cm			

	EBC-05B1				
Component					
Mother Board	EBC-05B1				
MCU	MDBT50Q – U1MV2 (nRF52840)				
Memory	1MB flash / 256KB RAM				
Power Supply	Operating with 4 x AAAA batteries				
Wireless/BT	BT 5.0 (WiFi + uP Module)				
Panel					
LCD Panel	5.65" E-ink ED057TC6				
LCD Control Board	600 x 448				
B/L Inverter/Converter	Black and White with Highlight Red				
Touch Screen	Cover Lens only				
External I/O					
Wireless Antenna	PCB Antenna				
Indicator Light	Front LED Light for Front Buttons Status Indication				
Mechanical &					
Environmental					
Power Type	4 x AAAA batteries				
Power Connector	Battery spring				
Туре					
Dimension	160 x 113 x 15 mm				
Display Area	114.9 x 85.8 mm				
Weight	70g				
Color	White				
Fanless	Fanless				
Reliability					
EMI Test	CE & FCC Class B				
Safety	Avalue Standard Test Criteria				
Dust and Rain Test	Front panel IP65				
Vibration Test	1Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis				
Mechanical Shock	10Crms IEC 60068 2 27 Holf Sing 11mg				
10Grms, IEC 60068-2-27, Half Sine, 11ms					
Drop Test	EC-60068-2-32 (96.5cm)				
Operating	0°C ~40°C				
Temperature					
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing				
Storage Temperature	-20 ~ 60 °C				

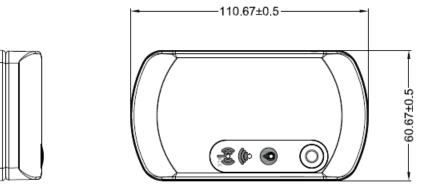


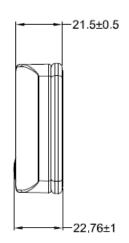
Note: Specifications are subject to change without notice.

1.4 System Dimensions

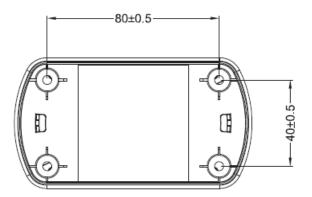
1.4.1 REN-CBW







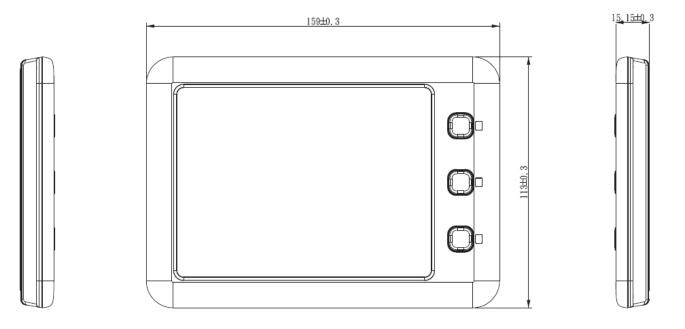


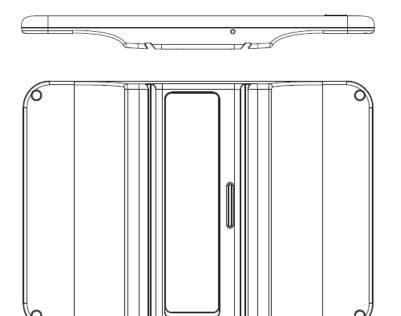


(Unit: mm)

1.4.2 EBC-05B1







(Unit: mm)

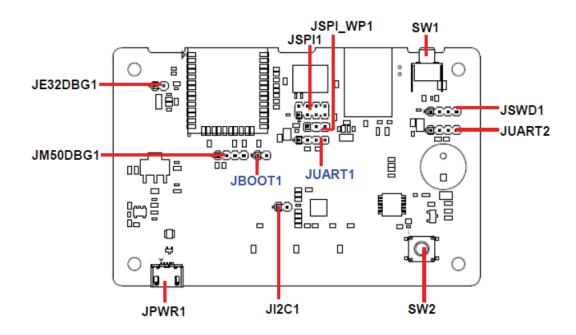




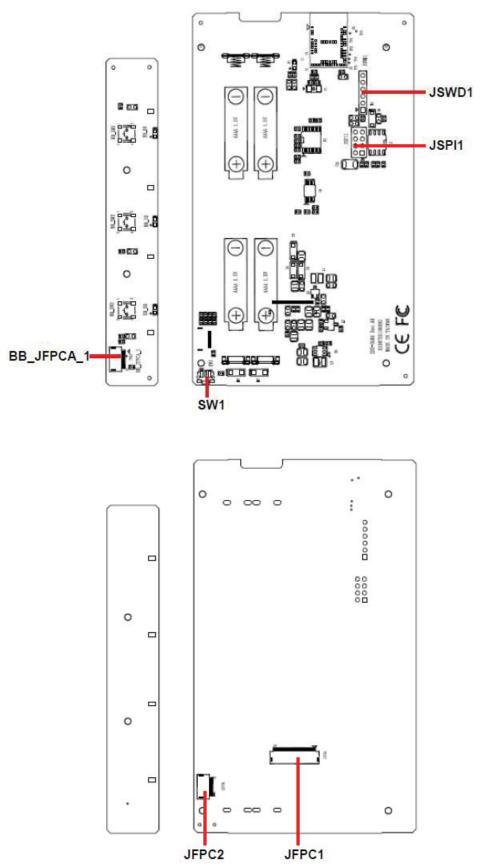
Note: If you need more information, please visit our website: http://www.avalue.com.tw

2.1 REN-CBW & EBC-05B1 Overview

2.1.1 REN-CBW



2.1.2 EBC-05B1

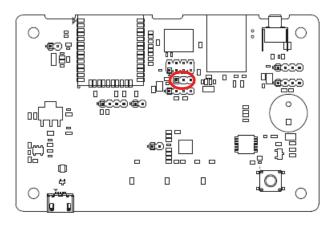


2.2 REN-CBW Jumper and Connector List

Jumpers		
Label	Function	Note
JSPI_WP1	Write protection	3 x 1 header, pitch 2.00mm
JBOOT1	Boot selector	2 x 1 header, pitch 2.00mm
Connectors		
Label	Function	Note
JSPI1	SPI connector	4 x 2 header, pitch 2.00mm
SW1	Reset button	
SW2	Buzzer button	
JSWD1	SWD connector	4 x 1 header, pitch 2.00mm
JUART1	UART Debug ESP32 connector	4 x 1 header, pitch 2.00mm
JUART2	UART Debug M50Q connector	4 x 1 header, pitch 2.00mm
JE32DBG1	Debug ESP32 connector	2 x 1 header, pitch 2.00mm
JM50DBG1	Debug M50Q connector	4 x 1 header, pitch 2.00mm
JI2C1	I2C connector	2 x 1 header, pitch 2.00mm
JPWR1	DC/USB IN connector	

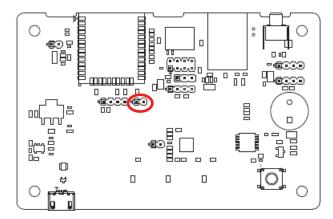
2.3 REN-CBW Jumpers & Connectors settings

2.3.1 Write protection (JSPI_WP1)



* Default

2.3.2 Boot selector (JBOOT1)



* Default

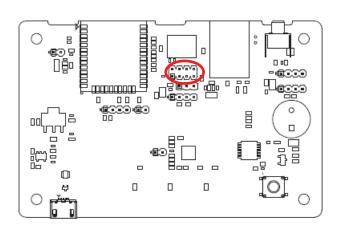
SPI BOOT*



Download BOOT



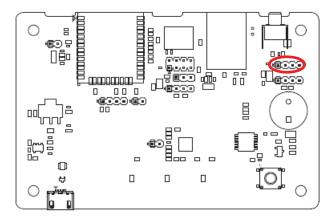
2.3.3 SPI connector (JSPI1)

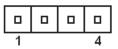


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Signal	PIN	PIN	Signal
+3.3VSB	1	2	GND
SPI_CS_RST#	3	4	SPI_CLK
SPI_IO1	5	6	SPI_IO0
SPI_IO3_HOLD#	7	8	SPI_IO2_WP#

2.3.4 SWD connector (JSWD1)

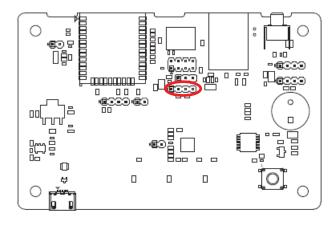




Signal	PIN
+3.3VSB	1
SWDIO	2
SWDCLK	3
GND	4

REN-CBW & EBC-05B1

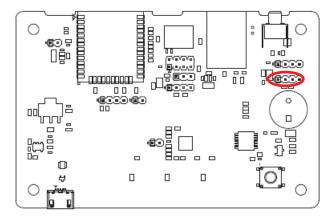
2.3.5 UART Debug ESP32 connector (JUART1)

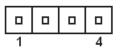


1		4

Signal	PIN
+3.3VSB	1
ESP32_UART_TX	2
+3.3VSB	3
ESP32_UART_RX	4

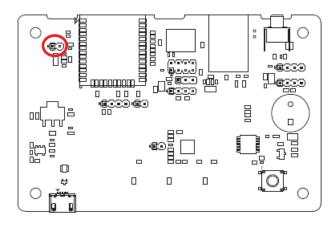
2.3.6 UART Debug M50Q connector (JUART2)





Signal	PIN
+3.3VSB	1
M50Q_UART_RX	2
+3.3VSB	3
M50Q_UART_TX	4

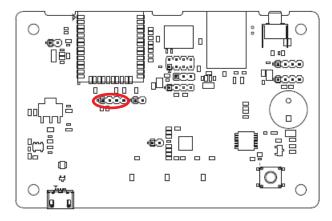
2.3.7 Debug ESP32 connector (JE32DBG1)

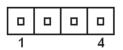




Signal	PIN
ESP32_EN	1
GND	2

2.3.8 Debug M50Q connector (JM50DGB1)





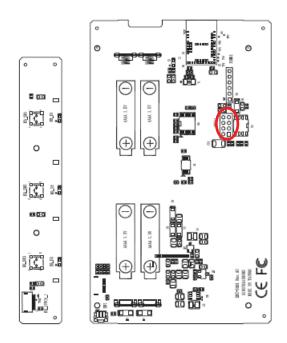
Signal	PIN
M50Q_RX	1
M50Q_TX	2
M50Q_RTS	3
M50Q_CTS	4

2.4 EBC-05B1 Connector List

Connectors Function Label Note SW1 Reset button **BB_JFPCA_1 FPCA** connector 10 x 1 wafer, pitch 0.50mm JFPC1 FPC connector 1 24 x 1 wafer, pitch 0.50mm JFPC2 FPC connector 2 24 x 1 wafer, pitch 0.50mm **JSWD1** SWD UART Debug connector 6 x 1 header, pitch 2.00mm **JSPI1** SPI connector 4 x 2 header, pitch 2.00mm

2.5 EBC-05B1 Connectors settings

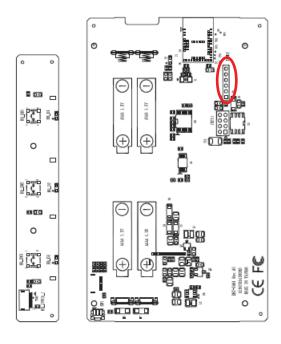
2.5.1 SPI connector (JSPI1)



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	1
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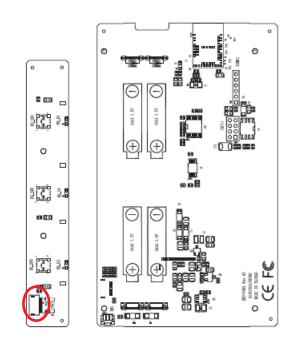
Signal	PIN	PIN	Signal
SPI0_IO2_WP#	8	7	SPI0_IO3_HOLD#
SPI0_IO0	6	5	SPI0_IO1
SPI0_CLK	4	3	SPI0_CS#
GND	2	1	+2.8VSB

2.5.2 SWD UART Debug connector (JSWD1)



	1

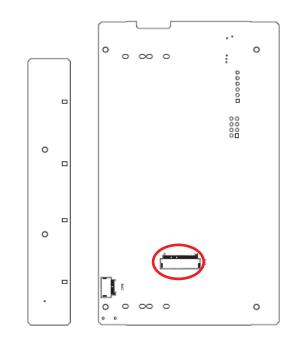
Signal	PIN
DUART_RX	6
DUART_TX	5
GND	4
SWDCLK	3
SWDIO	2
+3.0VSB	1







Signal	PIN
GND	1
BUTN3	2
BUTN2	3
BUTN1	4
BUTN0	5
LED3_B#	6
LED2_G#	7
LED1_R#	8
GND	9
+2.8V	10

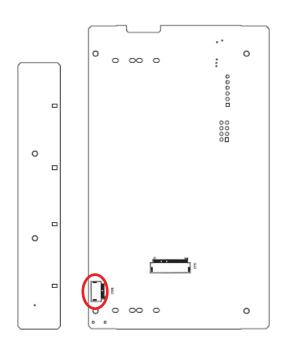


	1
Signal	PIN
SPI1_CS2#	1
EPD_GDR	2
EPD_RESET	3
VGL	4
VGH	5
EPD_TSCL	6
EPD_TSDA	7
I2C1_SCL	8
EPD_BUSY	9
EPD_RESET#	10
SPI1_DCX	11
SPI1_CS1#	12
SPI1_CLK	13
SPI1_MOSI	14
+2.8VSB	15
+2.8VSB	16
GND	17
EPD_VDD	18
SPI1_MISO	19
VSH	20
PREVGH	21
VSL	22
PREVGL	23
VCOM	24

2.5.4 FPC connector 1 (JFPC1)

REN-CBW & EBC-05B1

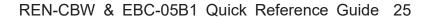
2.5.5 FPC connector 2 (JFPC2)



)
Signal	PIN
GND	10
BTN3_R	9
LED1_B#	8
LED2_B#	7
BTN0_R	6
LED3B#	5
LED2G#	4
LED1R#	3
GND	2
+2.8VSB	1

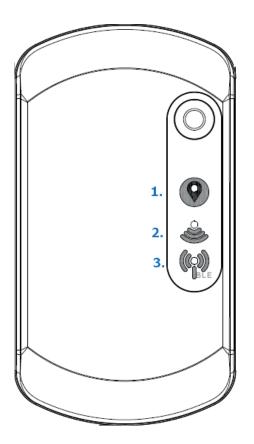
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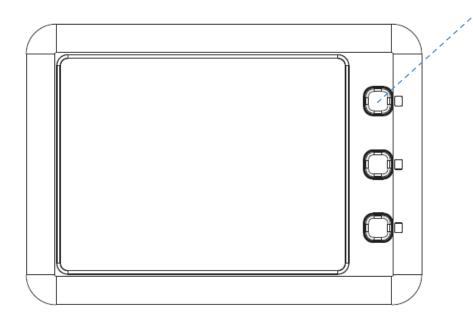
3.1 Become Familiar

Before you set up, take a moment to become familiar with the locations and purposes of the controls, drives, connections and ports, which are illustrated in the figures below.



- 1. Power Indicator
- 2. WiFi Indicator
- 3. Bluetooth Indicator

REN-CBW



▲ EBC-05B1

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There are 3 buttons on the right to allow patients call for assistance which will correspond to the corresponding icons on the display.

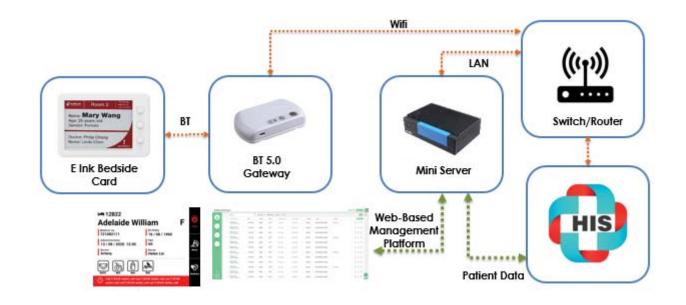
LED Behavior:

1. LED lights will flash 3 times when EBC-05B1 is powered up. LED lights off when the boot up process has been completed.

2. The first light starts to flash when pushing a picture from the backend to the device. LED light goes off when the data is received successfully.

3. LED light starts to flash when a button is pressed from the electronic paper, until it receives confirmation signal from the backend, or someone long press the same button for more than 3 seconds. Without actions, the light will automatically turns off after 180 seconds.

3.2 Setup Arrangement



- 1. Setup WIFI AP.
- 2. Setup Mini Server (Box PC)

Box PC LAN port 1 must be connected to WIFI AP's LAN port.



3. Login with box pc to web-based management platform using the correct account and passwords.

Website: http://192.168.1.227/login



3.3 Installing REN-CBW Gateway



Step 1. Device included 1 x REN-CB, 1 x USB adapter and 1 x Micro USB to USB cable.

Step 2. Before installation, rotate counterclockwise the REN-CB cover to remove it.

Step 3. Each REN-CB has a code number, located in the body back shell.

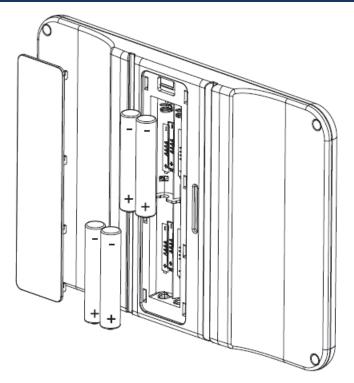
Step 4. Channels for cable ties design allow ceiling/wall/adhesive tape installation.

Step 5. Rotate clockwise to attach the unit and plug in USB power cable; the unit will startup automatically.

Adhesive Tape Note:

- 1. Clean the surface area before use.
- 2. This adhesive tape can be fixed or mount on the object.
- 3. This adhesive tape is reusable with wipe of water.

3.4 Installing Batteries to EBC-05B1 Patient Information Display



Step1. Remove the battery cover.

- Step2. Press the battery spring, when removing batteries or replacing new one.
- Step3. Re-assemble your system back through previous steps to complete the installation.

4. Smart Ward Display Solution Software Guide

4.1 Operation interface description

4.1.1 Interface

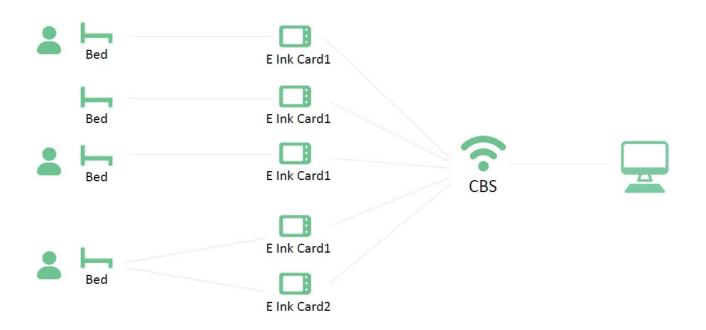
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\smile								📇 Bed	E INK Card		? ⊂BS		Luser 2		3
1	Patient	4 Searc	h		۹	Total of 4 1 - 4									<u> </u>
		Bed Group	Bed ID	Bed Name											
	9	血液科	bed 001	床一									ď Ō		
	Event	血液料	testl	床二									ď 1		
		腸周科	bed 02	床三									ď i		
	Status	精神科	bed 003	床四									c i	(5
	-														
	Setup														
	(j) Copyright (02020														
	Avalue Technology Inc.													+	6

- ① Main Menu : Main Settings
- 2 Header : Account Login/Language/Notification
- 3 Sub-function Menu
- 4 Search and Data List
- 5 Data List
- 6 Function Buttons

4.2 Settings

4.2.1 Basic Operation Instructions- Adding Beds

This management system takes hospital bed equipment as basic structure. The system management structure is illustrated as follows:



💠 聯新回	國際醫院					1			mac.	ee@linctronix.com	English 🕀	æ
							🖛 Bed	EINKCard			💄 User	
Paskert	Searc			9	Total of 4 1 - 4 🕜							
	Bed Group	Bed ID	Bed Name		/			\mathbf{N}				
Durt	血液科	bed 001.	18-	/							et	
	血液的	tentl	8-					\sim			e i	
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Stop 1												
Step 1												

Click Setup from left main menu to enter Bed sub-menu, then click the Add icon on lower right corner.

Bed ID.*	Bed Name*	
Bed Group *		
腎臟科		~
	Add	
	Add	
	C (2)	
	773	

After filling in bed and patient information, click "Add" to complete the process.

4.2.2 Edit Bed Status

				jang tert.	Gintler	₹as	2	
Searc	h		Q. 1664412-4 (8)(8)			No.		
Beef Groups	Rectif	fluid Name					-	
2.411	hed (21)	8-					12	
1.014	text1	82					95 m	
#8%	bed (t)	#E					er (†	(<u>1</u>)
101001	hed (83	344					8.8	- N 102
								CA 19
								(2) 册
								-



Click the edit icon on the right side of the profile list.

Bed ID.* Bed Name* bed 001 承一 Bed Group* 血液科	bed 00L	bed 001 k— Bed Group*	bed 001 康一 Bed Group*	bed Onup* 市政相	Edit Bed Settin)g	×
Bed Group*	Bed Group*	Bod Group*	Bed Group*	Bed Group *	Bed ID.*	Bed Name*	
					bed 001	床一	
▲接料 ~	血液料	血液科	▲接料				
					血液料		~
Update	Update	Update.	Update.			Update	
Update		Update		Siii			

Modify bed and E Ink Card Setting.

St

Click "Update" to complete the modification of bed information.

4.2.3 Deleting Beds

Banch Q Nadired (1.4 (2.9)) Melling Melling Def News A088 Se- Def Terres A088 melling Se- Def Terres A089 Se- Se- Def Terres A090 Se- Se- Def Terres A090 Se-	
Marti Serial Serial Serial Marti Intl. All Serial Marti Intl. All Serial	
2844 indi AC 2010 10 10 10 10 10 10 10 10 10 10 10 10	Ø
484 Held AL	Ø
1 상황이 지하는 14월 - 14일에 관한 11일에 가지 않는 것이 있는 것이 없는 것이 없는 것이 없다. 이 것이 없는 것이 없 않이 없는 것이 없다. 것이 없는 것이 없다. 것이 않은 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것 에 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없 않이 없다. 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없	Ø
R#9 14402 AB	-
	13 11
	[2] 前

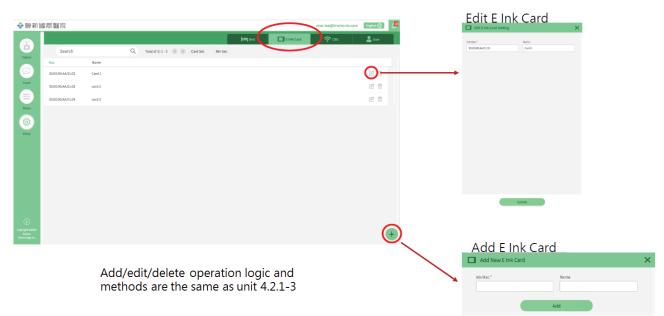
Step 1

Click the delete icon on the right side of the profile list.

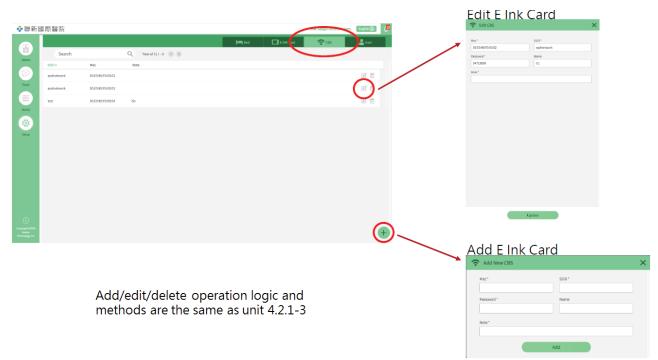
office.linctronix.com:30002 顯示	
Are you sure you want to delete ?	-
	取消 確定
al of 4 1 - 4 < >	<u>ر</u> ۳
	Are you sure you want to delete ?

Click "OK" to delete the bed.

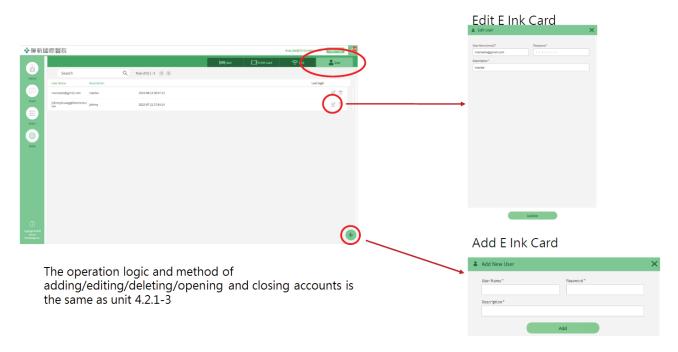
4.2.4 E Ink Card Setting



4.2.5 CBS Management

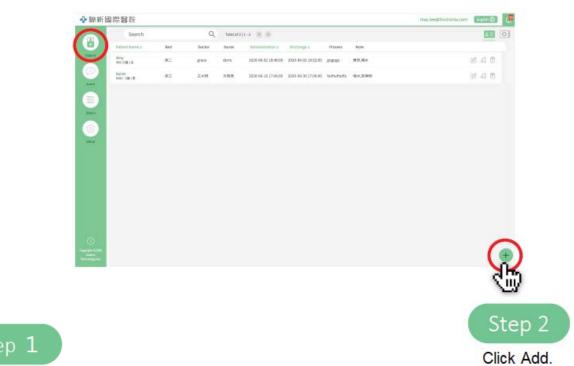


4.2.6 User Management



4.3 Patient Management

4.3.1 Patient Management- Add Patient Info

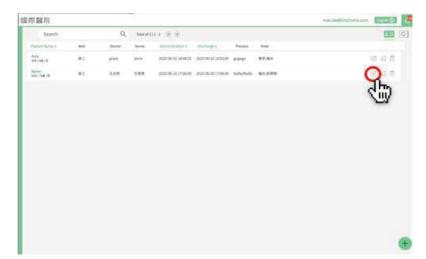


Click on the main menu on the left, and the patient screen will show on the patient data by default.

Amy Nate ● remaie tedical No.* Birtinday* 123 2020-01-05 DNo.* 456 Pospitalization Bed Name* WB#4 ● #Z Nurse* grace dor/s dministration* Discharge* 2020-05-02 18:52:00 E trocess Songe
123 2020-01-05 DNo.* 456 ed Group * Bed Name* 弊効料 ・ 床二 500ctor* Nurse* grace dorls dministration* Discharge* 2020-06-02 18:48:00 合の 2020-06-02 18:52:00 合の trocess 898080
D No.* 456 Hospitalization Hospitalization Bed Name* ∰\$44 ✓ #二 Nurse* grace dorls dorls 2020-06-02 18:52:00 € rocess ggogogo
496 Hospitalization Bed Name* Bed Name*
Hospitalization Hospitalization Bed Name* Bed Name*
ed Group * Bed Name*
ed Group * Bed Name*
And the second s
grace doris dministration* Discharge* 2020-06-02 18:52:00 E rocess gogogo
dministration * Discharge * 2020-06-02 18:48:00 🖨 🕥 2020-06-02 18:52:00 🖨 frocess gogogo
2020-06-02 18:52:00 E C 2020-06-02 18:52:00 E frocess gogogo
rocess gpgpgg
gogogo
Other Note
lote
骨折× 喝水×

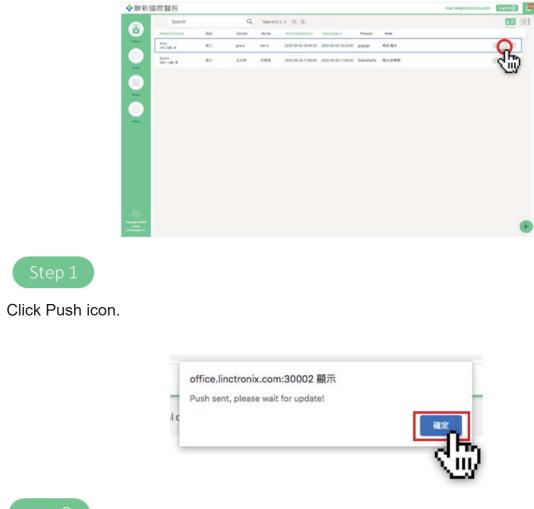
After filling in the patient information completely, click "Update" to complete the process.

4.3.2	Patient Management- Add Patient In	fo
-------	------------------------------------	----



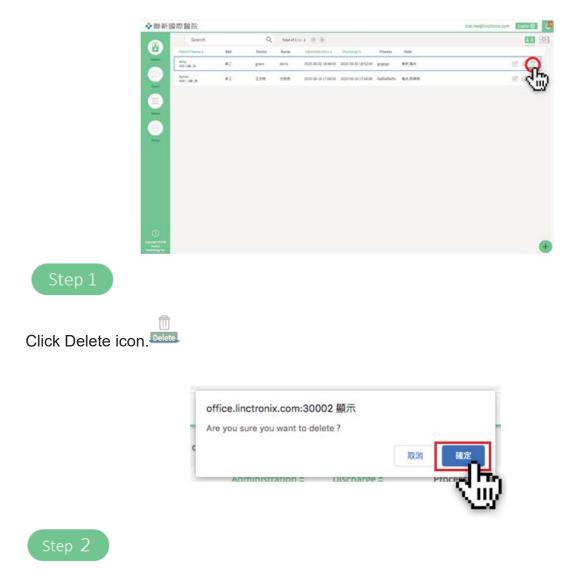
Ledit Patient		×	
Name*	Gender*		
Amy	🚫 Male 🛛 🖲 Female		
Medical No.*	Birthday*		
123	2020-01-05	8	
ID No.*			
456			
Hospi	talization		
Bed Group*	Bed Name*		
岩臓科 シ	床二	~	
Doctor*	Nurse*		
grace	doris		
Administration*	Discharge*	Bed Group*	
2020-06-02 18:48:00 🖽 💿		きの 賢識科	
Process		1	
gogogo		野臓科	
Oth	er Note	腸胃科	
Note		血液科精神科	
骨折× 喝水×			
Up	date		
to edit icon			

4.3.3	Patient Management- Delete Patient Info	(Directly	/)
-------	---	-----------	----

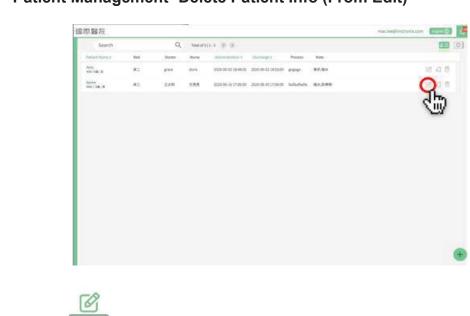


Step 2

Click "OK " to complete the patient profile push.



Click "OK " to complete the patient profile push



4.3.4 Patient Management- Delete Patient Info (From Edit)

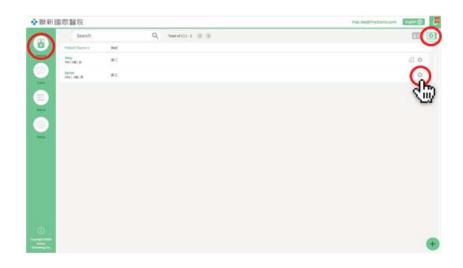
Click Edit icon.

	🛔 Edit Patient	×
	Name*	Gender*
	Amy	💭 Male 🔹 Fernale
	Medical No.*	Birthday*
	123	2020-01-05
	ID No.*	Cult
	456	
	Hose	talluation
	Bed Group*	Bed Name*
	安保科 ー	序二 ~ ~
	Doctor*	Nurse*
	grace	doris
	Administration *	Discharge*
	2020-06-02 18:48:00 🗄 💿	2020-06-02 18:52:00 🖻 💿
	Process	
	gogogo	
		er Netle
	Note	2 Aue
	骨折× 喝水×	
	Un	idate (1)
		Ś
⑪		
Click Delete icon at the	e bottom right to d	lelete the patient info.

4.3.5 E Ink Card Screen Setting

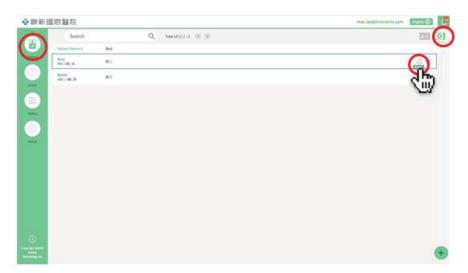
For different patient needs and scenarios, sometimes more than 2 sets of E Ink Cards are needed and different information screens are provided. This unit provides flexible configuration settings focusing on patients.

PS. This item is linked to the bed management of this system.



Click on the main menu on the left, and the patient screen will show on the patient data by default.

Click E Ink Card Setting icc	on. 🧰			
	• E Ink Setting			\times
	Amy 456 0 女		ied Group: 質疑科 ied Name: 床二	_
	ink 1	Ink 2	ink 3	
	None ~	None ~	None ~	÷
	None ~	None v	None	
	Cancel		Update	
Click Setting icon option to	setting patie	ent related i	nformation.	



Click on the main menu on the left, and the patient screen will show on the patient data by default.



💠 聯新國	際醫院		maclee@linctrovix.com
	Search	Q, Total of 3 (1 - 2 - (4) (5)	E 0
	Patient Name = 1	Hd .	
	Arry 450 UR R	12	il ه.
9	byron beo -3at M	E	A 0
All and			
Sector			
~			
() Andre Andre Investig Im			6
Andre			(4

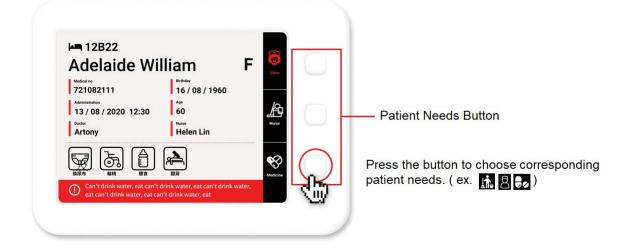
Click on the main menu on the left, and click E Ink Card Setting icon on the right.

Name*	Gender*
	🔿 Male 🔿 Female
Medical No.*	Birthday*
	8
ID No.*	
Hungit	aluation .
Bed Group*	Bed Name*
N904 ~	床- ~
Doctor*	Nurse*
Administration*	Discharge*
E 0	E 0
Process	
Oth	ar Nota
Note	

Click the new icon at the bottom right.

4.4 Patient Needs Management

4.4.1 Patient Needs Management- E Ink Card Operating Instructions



4.4.2 Patient Needs Management- System Data Management

	😵 聯新國	國際醫院						mac.lee@linctronix.com	English 🜐
		Search	٩	Total of 142 1 - 10 🔹 🗲					
		Bed	Patient	Ink	Service	Assertion Time	Deassertion Time		
	Pacient	# —	null	30:E0:90:AA:01:03	DEM	2020-08-19 05:57:56	2020-08-19 05:58:02		
	(@)	床 —	null	30:E0:90:AA:01:03	拍奪	2020-08-13 06:20:51			
	NK.	. k−	null	30:E0:90:AA:01:03	拍賣	2020-08-13 06:19:10			
	<u></u>	i≹—	null	30:E0:90:AA:01:03	拍賣	2020-08-13 06:17:32			
H 12B22	Status	ık—	null	30:E0:90:AA:01:03	拍眾	2020-08-13 06:15:59			
Adelaide William F	(床—	null	30:E0:90:AA:01:02	吃藥	2020-08-13 06:09:08	2020-08-13 06:09:46		
721082111 16/08/1960 13/08/2020 12:30 60 23	Setup	床—	null	30:E0:90:AA:01:02	吃藥	2020-07-3106:16:26	2020-07-31 06:16:48		
Artony Helen Lin		#-	null	30:E0:90:AA:01:02	拍理	2020-07-3106:10:54			
		床—	null	30:E0:90:AA:01:02	翻身	2020-07-3106:10:51			
Cont Control drink water, east can't drink water, east cont can't drink water, east can't drink water, east		#	null	30:E0:90:AA:01:02	吃藥	2020-07-3106:10:48			
<u> </u>									
	0								
	Copyright ©2020 Availue								
	Technology Inc.								

Report system requirements after pressing and record the time message was sent.

4.4.3 Button Description

Search		Q Total of 142 1 - 10 🙁 🔿	0				90:AA:01:03	2020-08-19 05:57:56
Bed	Patient	Ink	Service	Assertion Time	Deass ert/on Time			
18-	nut	30:E0:90;AA:01:03	吃農	2020-08-19 05:57:56	2020-08-19 05:58:02	30:E0:	90:AA:01:03	2020-08-13 06:20:5 泊対
10 -	null	30-E0-90:AA-01-03	拍弯	2020-08-13 06:20:51		 30:E0:	90:AA:01:03	2020-08-13 06:19:1 泊費
m-	null	30:ED:90:AA:01:03	拍聲	2020-08-13 06(19:10				
8-	ruli	30/E0-90:AA:01:63	拍常	2020-08-13 06:17:32		30:E0:	90:AA:01:03	2020-08-13 06:17:3.
庄—	null	30-E0-90-AA:01-03	拍背	2020-08-13 06:15:59		30:E0:	90:AA:01:03	2020-08-13 06:15:5
9E-	null	30-ED-90:AA:01:02	吃藥	2020-08-13 06:09:08	2020-08-13-06:09:46			拍聲
18 -	rull	30-E0-90:AA-01-02	吃鍋	2020-07-31 06:16:26	2020-07-31 06:16:48	30:E0:	90:AA:01:02	2020-08-13 06:09:0
	nult	30:E0:90:AA:01:02	拍用	2020-07-31 06:10:54				2020-07-31 06:16:2
œ-	null	30-ED-90:AA:01:02	81.0	2020-07-31.06(10:51		30:E0:	90:AA:01:02	吃菜
k	null	30-E0-90:AA:01:02	吃量	2020-07-31 06:10:48		30:E0:	90:AA:01:02	2020-07-31 06:10:5 油ガ
						30:E0:	90:AA:01:02	2020-07-31 06:10:5 81.9
						30:E0:	90:AA:01:02	2020-07-31 06:10:4

Click the bell icon on upper right corner to enter notification center to pay attention to patient needs in time.

4.5 Device Status Management

4.5.1 E Ink Card Status Management

	Search	Q	Total of 3 1 - 3				
8	Bed	Patient	Ink	Power	Push Time	Push Status	
Patient	速一	null	30:E0:90:AA:01:04		2020-08-13 06:48:07	Success	- X
Event	R -	null	30:E0:90:AA:01:02		2020-06-20 13:12:32	Success	
	*-	null	30:E0:90:A4:01:03		2020-08-20 11:13:12	Success	
Status							
(Ø)							
Setup							
Ū							

This unit only provides browsing of E Ink Card device status.

(Battery Capacity, signal status and whether the bed is occupied.)

4.5.2 CBS Status Management

E INK Card > Btn Set.

😵 聯新國	際醫院		mac.lee@linctronix.com English 🛞
	Search	Q Total of 3 1 - 3 🕓 🕟	
	Cbs Mac	Signal	26
Patient	30.E0:90:F0:00:02	()*	<u></u>
Event	30;E0:90:F0:00:03	(î*	T
	30:E0:90:F0:00:04	(ix	
Status			
Setup			
1			
Copyright 02020 Availar			
Technology Inc.			

This unit provides the signal status of CBS device.

4.6 Log in / Log out

4.6.1 Login Account

� 聯新國際醫院 E INK Bedside Card Manager Enter your E-mail	
Password LOG IN Rember E-mail Porget password	

Enter and fill in the administrator account and password. (Website: http://192.168.1.227/login)

1際醫院		-					(mac.lee@linctronix.com		
Search		Q	Total of 2	2 1-2 🛞 🔊						
Patient Name =	Bed	Doctor	Nurse	Administration ±	Discharge =	Process	Note	~ 10	1.00	- F
Arey 456 (0)建 大	æ	grace	doris	2020-06-02 18:48:00	2020-06-02 18:52:00	Hinkoliko	骨折,喝水	~	0.4.0	Logia
byran bbb -3康 月	ak≘	王大明	方齐布	2020-06-16 17:06:00	2020-06-30 17:05:00	fadfecfadfe	磁水,防排钢		C A D	Login (

Move the mouse to the upper right corner of the screen, logout instruction appears on top of the account name.

