# **REN-CBW &**

# **EBC-05B1**

Renity CBS Gateway 5.65" E-ink Bedside Card

# **Quick Reference Guide**

3<sup>rd</sup> Ed – 07 December 2020

**Copyright Notice** 

Copyright © 2020 Avalue Technology Inc., ALL RIGHTS RESERVED.

#### **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 equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

## 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: <a href="http://www.avalue.com.tw/">http://www.avalue.com.tw/</a>

# Content

1.	Getting Started	6
1.1	Safety Precautions	6
1.2	Packing List	6
1.3	System Specifications	7
1.4	System Dimensions	.10
	1.4.1 REN-CBW	. 10
	1.4.2 EBC-05B1	. 11
2.	Hardware Configuration	.12
2.1	REN-CBW & EBC-05B1 Overview	.13
	2.1.1 REN-CBW	. 13
	2.1.2 EBC-05B1	. 14
2.2	REN-CBW Jumper and Connector List	.15
2.3	REN-CBW Jumpers & Connectors settings	.16
2.4	EBC-05B1 Connector List	.20
2.5	EBC-05B1 Connectors settings	.21
3.	System Setup	.25
3.1	Become Familiar	.26
3.2	Setup Arrangement	.27
3.3	Installing REN-CBW Gateway	.28
3.4	Installing Batteries to EBC-05B1 Patient Information Display	.29
4.	Smart Ward Display Solution Software Guide	.30
4.1	Operation interface description	.31
	4.1.1 Interface	. 31
4.2	Settings	.32
	4.2.1 Basic Operation Instructions- Adding Beds	. 32
	4.2.2 Edit Bed Status	. 34
	4.2.3 Deleting Beds	. 35
	4.2.4 E Ink Card Setting	. 36
	4.2.5 CBS Management	. 36
	4.2.6 User Management	37
4.3	Patient Management	.38
	4.3.1 Patient Management- Add Patient Info	. 38
	4.3.2 Patient Management- Add Patient Info	. 39
	4.3.3 Patient Management- Delete Patient Info (Directly)	40

#### **Quick Reference Guide**

	4.3.4	Patient Management- Delete Patient Info (From Edit)	. 42
	4.3.5	E Ink Card Screen Setting	. 43
4.4	Patier	nt Needs Management	.46
	4.4.1	Patient Needs Management- E Ink Card Operating Instructions	. 46
	4.4.2	Patient Needs Management- System Data Management	. 46
	4.4.3	Button Description	. 47
4.5	Device	e Status Management	.48
	4.5.1	E Ink Card Status Management	. 48
	4.5.2	CBS Status Management	. 48
4.6	Log in	/ Log out	.49
	4.6.1	Login Account	. 49

# **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	System			
Mother Board	REN-CBW Mother Board			
MCU	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			
older 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	Avalue Standard Test Criteria : Sine wave/10G			
Test				
Drop Test	Avalue Standard Test Criteria			
Operating	∩°C ~4∩°C			
ſemperature				
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing			
Storage Temperature 0°C ~ 60°C				
Power Consumption	5mA			
BLE transmission	80mBLE			
range				
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>B/L Inverter/Converter</b>	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	Ital		
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			
Test			
Drop Test	EC-60068-2-32 (96.5cm)		
Operating	0°C ~40°C		
emperature			
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)



HIGH 1 3

1

LOW\*

3

\* Default

#### 2.3.2 Boot selector (JBOOT1)



\* Default

**SPI BOOT\*** 



#### **Download BOOT**



#### 2.3.3 SPI connector (JSPI1)



1		7

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)



•	
 	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)





0.1	DIN
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)



	7
	1

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)





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



### 2.5.3 FPCA connector (BB\_JFPCA\_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



24	1
0	0
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

24 REN-CBW & EBC-05B1 Quick Reference Guide



#### 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

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

令职和	虛模醫院				 And a local division of the	The implication of	12010	14
					••••••••••••••••••••••••••••••••••••••	φ±.	4-	
0	(ā) =	ahi (	Q,	mental and				
	Barton	144.00	Bullion .					
9		-					10.12	
-	+++	+++	30				10.00	
1		344.00	.82				10.0	
-		1001101	-				10.0	

- 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:





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

Bed (D.*	Bed Name*	1
Bed Group *		
发展科		×.
	J.	

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

#### **REN-CBW & EBC-05B1**

#### 4.2.2 Edit Bed Status

	-		Contraction (Strict)	1000			_	$\sim$
-		arian.				-	-	
-	-					12		
-	-					12.2	1.1	M For
-	-					10.0		C in L
-	-	-				1.6.8		V ny
								1.00
								19 10
								122 m
								60 00



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



Modify bed and E Ink Card Setting.

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

# 4.2.3 Deleting Beds

• 10 R [ 1	1 年 1 日 元							racted to conta	- 6550	•	-
6	lear	n		Q. 100		(and ever	District.	φm	1		
	Bell Droge	84.0	Del farte								
	1.81	144 (11)	8-								
		tenti i									<b>3</b> fm
<b>1</b>		144.00									Ø 100
											<u></u>
-											(22) 冊
											C fi
<u>0</u>											

Step 1

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

	office.linctronix.com:30002 顧元	
	Are you sure you want to delete ?	
		TE III
Step 2	of4 1-4 C >	3

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.

here's		dente-	
814		Care & new .	
Percent Control of Con		many.	
111		3010.09	
time!			
101			
Welling"		Bernew".	
101		A1	
inere'		100	
pas .		844	
Adventure"		incept.	
1010106-0110-0810	8.0	101110-0010-0010	12
Phone			
100			
tion (			
MEX MAN			
-			
	- 19		
-		100	

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

# 4.3.2 Patient Management- Add Patient Info



Nacional International Interna	voter " State * Person enday" 1022-03-05 (15) in file	Bed Group'	
Any	Inder & Pender Inder 1 1022-03-03 (1) 10 10 10 10 10 10 10 10 10 10 10 10 10	Bed Group'	
Needinal Ion." Inter 223 COND." 459 COND." 459 COND." 459 COND." 459 COND." 450 COND."	ehalay" 2023-03-03 (5 20 20 20 20 20 20 20 20 20 20 20 20 20	Bed Group'	
123 124 123 124 124 124 124 124 124 124 124	nzakoj os (1) nin nin nin nin nin nin nin ni	Bed Group'	
El No.* 409 Bel Group* Bel Bel Group* Bel Bel Bel Group* Bel Bel Bel Bel Bel Bel Bel Bel	in	Bed Group'	
456 Text Group* Ben RifeF6 V Ben grace do Adoct-Intention* Bin 2120-04-02 10-46:00 C1 (0) 20 Process grapspo Text and Note Rife N Rife N	in et Name* KC V nor* Soria ethoge* Alapsan-ka skisarah P2 @	Bed Group'	
The Second Secon	in	Bed Group 및 BES	
Bed Group* Bed Market V Bit Doctor* Nor grace de Adoctotoromius* Bits 2020-06-02.10-46.03 (21 (2) 25 Princess grapse Brances Refe X Refe X	et Name* NC V Inte* Soria ethoge* Alapsau-ez seisztati P2 @	Bed Group 및 BES	
Marris v jac Dechar * Num arace do Adorbeitemeters * Eller 2020-06-02 10-46-03 (2) (3) 23 Process aragege Transmin Nume Refer N (10-6) X	ALC V Intel <sup>1</sup> Soria Alterger <sup>1</sup> Masson-42 Jackson (21 ©	Bed Group	
Dector * Num grace do Advect-terrentios * Effect 2020-04-02 10-46-03 (21 C) 20 Princetel grameP Transmit Ref: N K (K K)	one" khogo" nteger 100 - 10 - 10 - 10 - 10 - 10 - 10 - 10	Bed Group 및 BES	•
grace de Adactriamentas* title 2020-06-02 20-46-03 (2 0) 20 Process grapeso Titles solution Ref: K. Ref. K.	foria atheger Max-ou-ez Lanzz de Pri G	Bed Group	
Advelopmentas* title 2020-04-02 2046-03 (2 1 0) 20 Princess grappep Transmit Ref: K (K 6 X)	nteelet, suite en altractes	Bed Group	
2120-04-02 18-46-03 (21 (3) 22 Process granges There Refs (	182-16-12 18 52 18 72 G	緊張時	
Process Promotion Theorem Ref. N. No. X.			
ananan Mara Mara Mara Mara Mara Mara Mara Mara		1	
Note REN WAX		繁麗科	
REX WAX		諸常料	
RHX RAX		精神科	

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.

R

A the famous	×
622	Sector .
inty	the street
Andread No. 1	mener'
ada (	300-m-m
10 fm *	1.08
454	
And invasid	Belline"
100	82 -
	Barra'
4141	date in the second seco
Manual State	Notesta .
and share Fr. Cl.	20000000000 21.0
the second	
100	
No.	
ARE BAD	

42 REN-CBW & EBC-05B1 Quick Reference Guide

#### 4.3.5 E Ink Card Screen Setting

For different patient needs and scenarios, sometimes more than 2 sets of E lnk 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.

198 E Han Same	u .				×	
Anny militia			Sections NBN Backney NC			
iii.				. mi		
them -		-		hea		
them.		Pares		Him		
	Gerri					

01



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





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

Contraction of the Contract			
have'		Same.	
		Chield Chield	
make the P		Bendar's	
			. (1)
0.01			
Bellinie"		Sectore 11	
Watt	(a)	8-	+
bete!		New'	
Advention		Shathelan <sup>4</sup>	
	13.0		0.01
(Taxan)			
12.00			

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

		TT M TT					~	1000
		date of the		R. Market & St. B.				
		-		-	-	 -		
	0	h-1			14	 		
		h-1	14		Ad.			
	N 16.	1	11	-				
	10		14	and the second	14			
		*	-	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	44			
Adelaide William F		-			14	 		
Televenter In		b-1	14			 		
E = (0)))		÷		A140.00	14			
		P	14					
		p-1	14	-	14			
Cin								
	1000							
	and the second second							

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

# 4.4.3 Button Description

-	COM NO. 1							and interest of the same	
	Succession in which the		A ministry				5	Distances.	-
Ξ.	*	-		-	particity -	Secondar Tax	d		
	7	14	and the second second	14	10000000		ViiV.	0.00440.00	
0	*	-		**				10.00 million (10)	
0	2	-		Ξ.				-	
0	5	1		÷.		10000		10.000 million (11	
-	2	- C.		÷.				(0.000) (action)	
	5	-		2				31.0100.04.02.01	and the second second
	8	-		÷.	-			0.0104.44.0.01	
								31231442-01	1000-0-00000
								In contrast, by	
									a test

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

	(and the second s	10	along a set				0
۵	84	April .		trans.	144.744	Owner	The
		-	managed of a	-	and other	in the second se	N au
2		-	Designation of	-	-	10.040	
	10	-	internation (	-	-	ALC: NOT	
-							

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.

全部有出	111111		The and the second seco
	Seech .	Q. seeds i i ii	
0	10.00	nee.	20
		8	
	9481118	8	
	10.040	8	
-			
6			
-			

This unit provides the signal status of CBS device.

# 4.6 Log in / Log out

#### 4.6.1 Login Account



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

<b>Q</b> -10(4)	10/10/10								C	~	)			
-	dare in		4	-	1. M. A.				-	h	5			
	Content of	144	-	-		-	-	-		N III	0			
	The st		-	***	stilling a choice	1014444	***			200	112	-	E and in Child	~ I
	200		1.44		100.00		-	1			747.		- Dogin Gui	· .
19														

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

