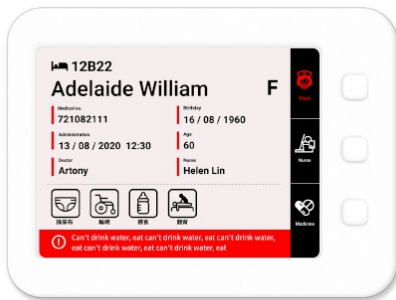




## EBC-05B1

### 5.65" E Ink Bedside Card

- > E Ink Color B/W/R  
Resolution 600 x 448  
3 Buttons for Page up/ Confirm/ Page down  
Front IP65  
BT 5.0 frequency  
Ultra low power consumption  
Easy battery replacement

#### + Spec

| -System Information-       |                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MCU                        | MDBT50Q – U1MV2                                                                                                                                                                                                                                                                                                                                         |
| Specification              |                                                                                                                                                                                                                                                                                                                                                         |
| Frequency                  | BT 5.0                                                                                                                                                                                                                                                                                                                                                  |
| External I/O               |                                                                                                                                                                                                                                                                                                                                                         |
| Wireless LAN Antenna       | Onboard PCB Antenna                                                                                                                                                                                                                                                                                                                                     |
| Panel                      |                                                                                                                                                                                                                                                                                                                                                         |
| LCD Panel                  | 5.65" E-ink                                                                                                                                                                                                                                                                                                                                             |
| Pixel pitch                | 600 x 448                                                                                                                                                                                                                                                                                                                                               |
| Touch Type                 | Cover Lens only                                                                                                                                                                                                                                                                                                                                         |
| Mechanical                 |                                                                                                                                                                                                                                                                                                                                                         |
| Color                      | White                                                                                                                                                                                                                                                                                                                                                   |
| Reliability                |                                                                                                                                                                                                                                                                                                                                                         |
| Operating Temperature      | 0 ~ 40 C                                                                                                                                                                                                                                                                                                                                                |
| Operating Humidity         | 5%~90% relative humidity, non-condensing                                                                                                                                                                                                                                                                                                                |
| Storage Temperature        | -20 ~ 60 C                                                                                                                                                                                                                                                                                                                                              |
| Packaging Drop Test        | EC-60068-2-32 (96.5cm)                                                                                                                                                                                                                                                                                                                                  |
| Certifications             |                                                                                                                                                                                                                                                                                                                                                         |
| Certification Information  | CE & FCC Class B                                                                                                                                                                                                                                                                                                                                        |
| Power Requirement          |                                                                                                                                                                                                                                                                                                                                                         |
| Battery                    | 4 x AAAA batteries                                                                                                                                                                                                                                                                                                                                      |
| Mechanical & Environmental |                                                                                                                                                                                                                                                                                                                                                         |
| Vibration Test             | 1Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis                                                                                                                                                                                                                                                                                                    |
| Shock Test                 | 10Grms, IEC 60068-2-27, Half Sine, 11ms                                                                                                                                                                                                                                                                                                                 |
| Dimensions(W x L x D)      | 160 x 113 x 15 mm                                                                                                                                                                                                                                                                                                                                       |
| Dust and Rain Test         | Front panel IP65                                                                                                                                                                                                                                                                                                                                        |
| Ordering Information       |                                                                                                                                                                                                                                                                                                                                                         |
| Ordering Information       | REN-CBW-A1-1R<br>Gateway for EBC-05B1Bluetooth 5.0/WiFi 2.4GHz/Operating with 5V Mini USB<br><br>EBC-05B1-840-A1R<br>5.65" E Ink 600x448 Tri-color(B/W/R) ePaper for Bedside/Room Info Display Bluetooth 5.0<br><br>EPS-CFS2-H31A1-07R<br>EBC-05B1 Solution Box Server EPS-CFS2 H310 w/ i5-8500T/ 4GRAM/ 128GSSD/ WIFI/ 2HDMI/ 2LAN/ 2COM/6USB/with Fan |