Document the Diapersens for SAN EI

### Product content

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### PRODUCT DESCRIPTION & TECHNICAL SPECTIFITION

**Intended use:**

The wireless DiaperSens system is a non-invasive and re-usable electronic device. This product is intended for non-urgent ambulatory continuous monitoring of urine for kids and the elderly.

**Precautions:**

1. Any form of modification to this device is forbidden.

2. Do not use this device together with MRI or CT equipment.

3. It is recommended for indoor use only.

4. The diapersens sensor is to be worn outside the diaper.

5. User may only change the diapersens sensor CR2025 button battery; no user serviceable part is provided for this product.

6. Device setup shall be performed by adults. Please call customer service at (408) xxx-xxxx if any issues occur during device setup.

***DiaperSens Sensor***

**· Dimensions:** 26mm diameter, 7.4mm thickness

**· Bluetooth range:** approximate 10 meters

**· Battery:** CR2025 button battery

**· Standby time:** about 2 years

**· Operation time:** two months

**· Environmental sealing:** IP67

**· Compatible OS:** iOS 7.0 and above, Android 4.3 and above

**· Diaper status monitor:** Continually monitoring of diaper status data and transferring data into router

**· Diaper status:** Dry diaper, wet diaper, and fully wet diaper (urine contain is 300+/-100ml)

**· Diaper change threshold:** Depending on customer’s requirement, the threshold can be set for initial

wet or fully wet diaper

**· Data usage:** The sensing data will be saved in cloud and can be used for different data analysis



**ElderSens Router**

**· Processor:** 1.2GHz Quad-Core ARM Cortex-A53

**· Memory:** 1GB LPDDR2

**· Operating System:** Linux

**· Dimensions:** 85 x 56 x 17mm

**· Power:** Micro USB socket 5V, 2.5A. Optional PoE (power over Ethernet) module

**· Connectivity:** 802.11 b/g/n Wireless LAN and Bluetooth 4.1 (Bluetooth Classic and LE). Optional LTE, ZigBee, Z-wave modules also available

**· Bluetooth range:** approximate 10~100 meters

**· Data connection:** Automatically searches/links to sensor and transfers sensing data to the network

**·** Receiving diaper status data from multiple diapersens senors and packages these data to the cloud

**·** Multiple ElderSens routers form a Wi-Fi mesh network to extend the Wi-Fi coverage

**·** Indoor location support via both iBeacon and Wi-Fi positioning technologies

**·** Support all popular IoT radio technologies (Wi-Fi, BT/BLE, ZigBee, Z-wave, GPRS/3G/LTE, etc.)

**·** JSON based RESTful API provides easy management and data access from both LAN and Cloud

**·** Strong protocol encryption (SSL/TLS) and data privacy (OAUTH) ensures data security

**·** Enterprise friendly deployment with PoE support

**·** Elastic cloud service (Amazon web service based) provides scalability and easier data access and manipulation

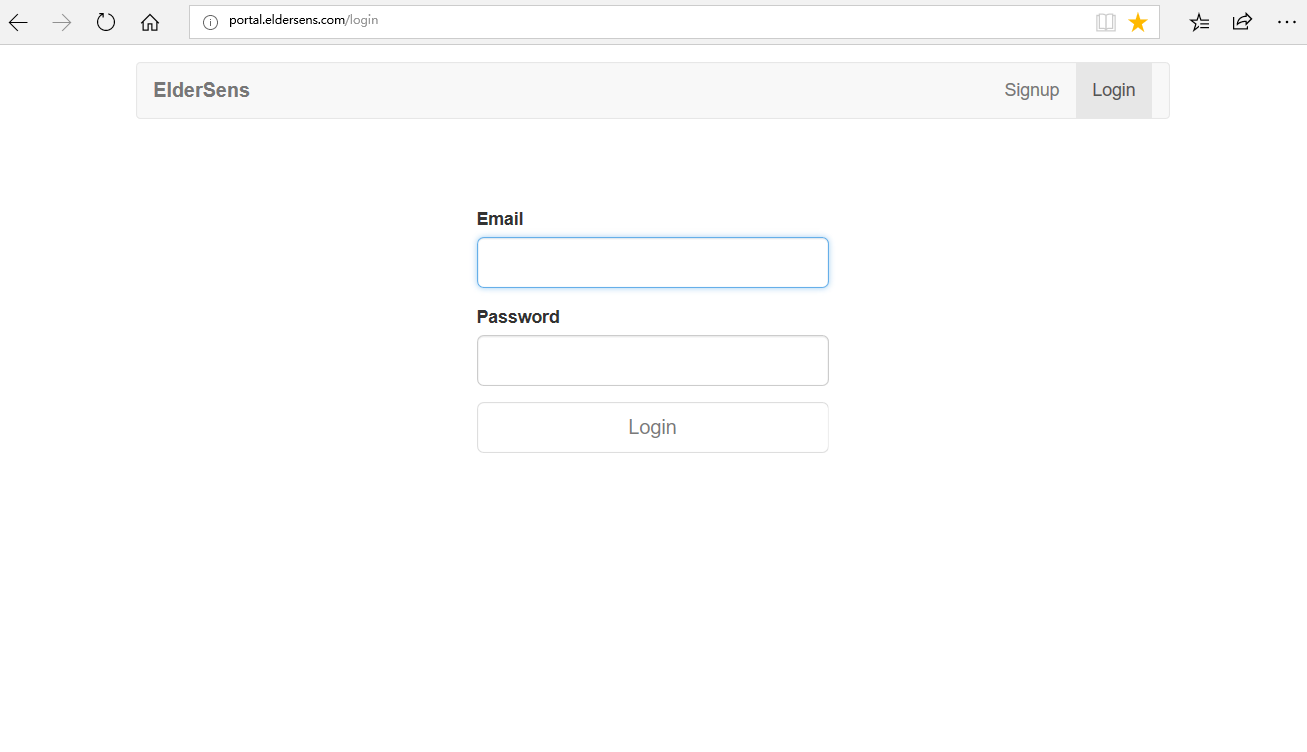
**·** Open SDK API for 3 rd party application integration

### Use steps

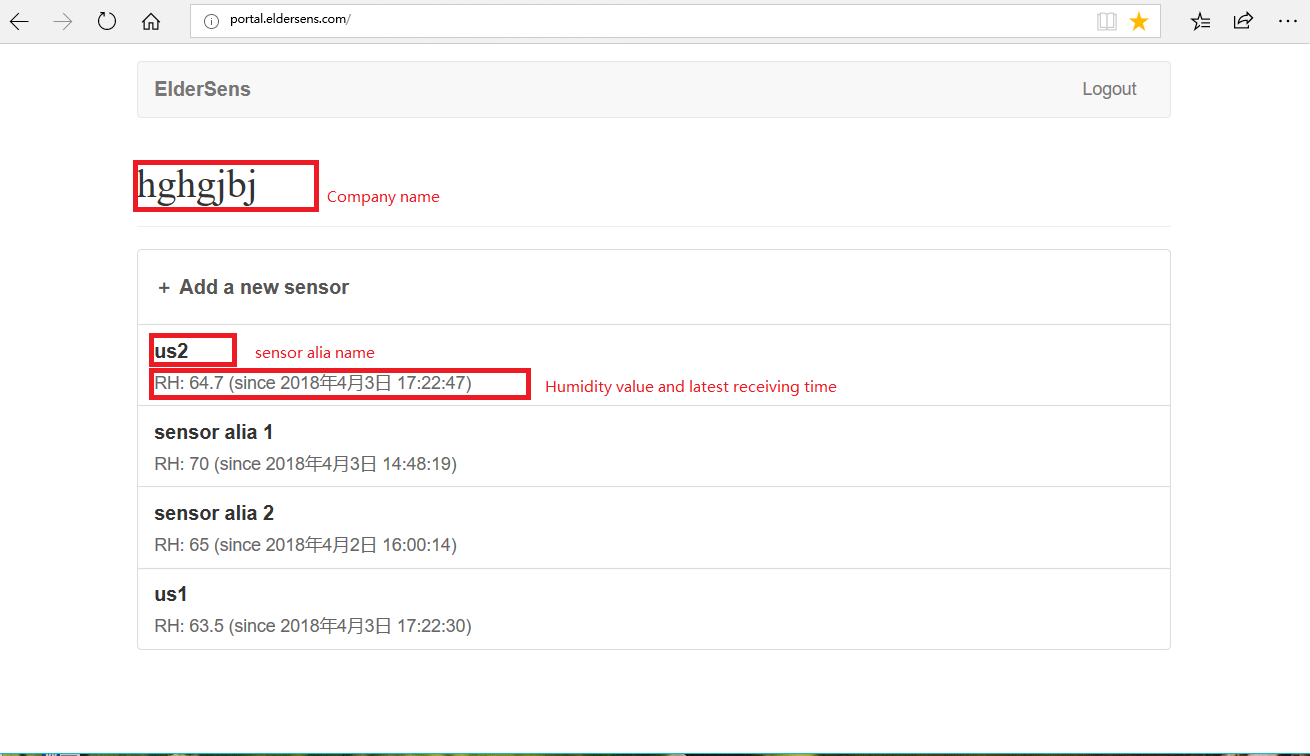
1. ElderSensRouter is connected to the power supply to wait for the boot to complete. (about 1 minutes)

2. Load Diapersens sensor into button battery(Battery model:CR2025), hold the switch until it's green. At this point, ElderSensRouter will automatically connect the WiFi network set up, connect Diapersens sensor and push data to ElderSensCloud.

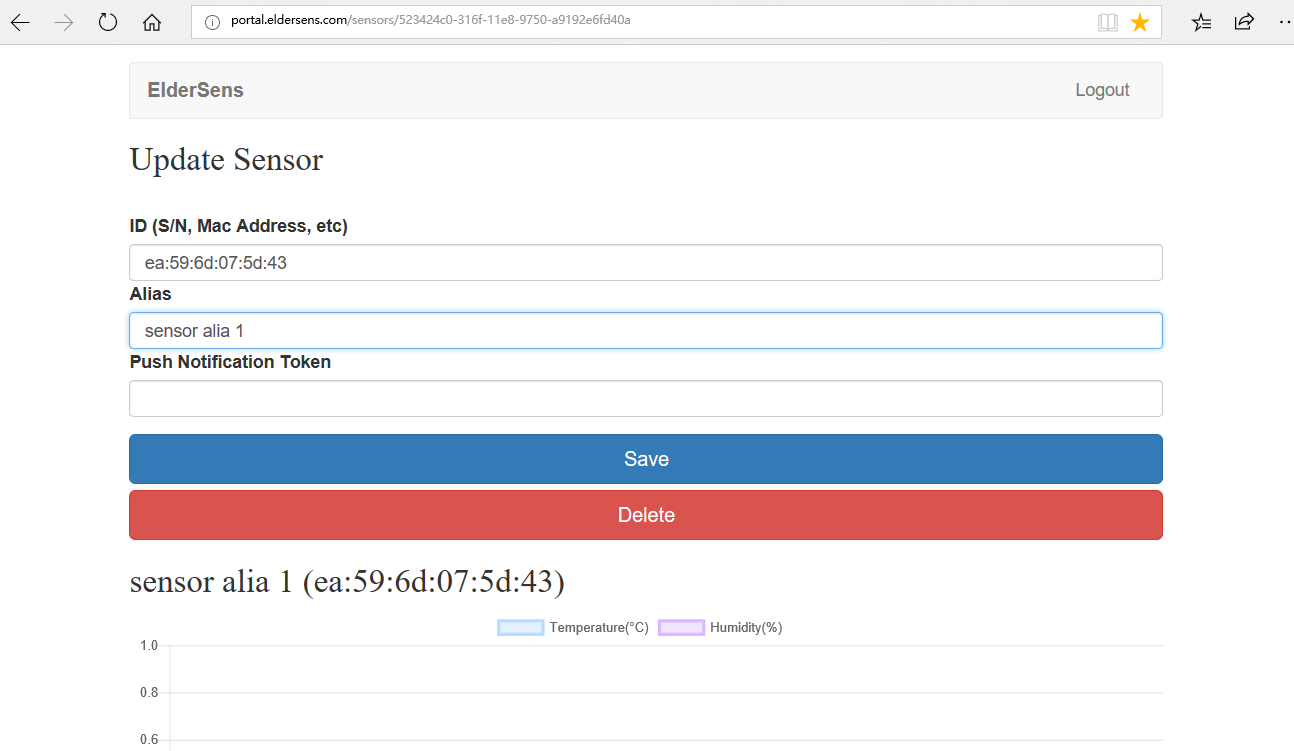
3.

(1)Open ElserSensCloud webpage(http://portal.eldersens.com/), enter account and login.

(2)Then we can see the list of sensor that has been added to the account and the latest data received.



(3) Click the sensor alia name,you can change sensor's mac address(Device unique identification number),sensor alia name then click save button. And delete operations.



(4) You can also see the current historical data of sensor in drop-down.

4. When you need to close the sensor, just hold down the Diapersens switch until the red light is off (or take off the battery), and the ElderSensCloud will automatically drop off after 10 minutes.

### Account information:

We provide two accounts and add corresponding sensors in advance.

Account 1: [SAN\_EI\_1@yeah.net](mailto:SAN_EI_1@yeah.net) (password:Aa123456) , Company title is”SAN-EI”, It contains the following sensor information.

|  |  |
| --- | --- |
| Alia | Mac address |
| JP1-1 | de:00:e7:74:03:cf |
| JP1-2 | c7:43:aa:ef:b9:61 |
| JP1-3 | e3:bf:6e:e6:23:68 |

Account 2: [SAN\_EI\_2@yeah.net](mailto:SAN_EI_2@yeah.net) (password:Aa123456) , Company title is “SAN-EI Customer”, It contains the following sensor information.

|  |  |
| --- | --- |
| Alia | Mac address |
| JP2-1 | c6:e5:36:4c:45:6b |
| JP2-2 | e4:d7:de:84:ca:a7 |

### Other

ElderSens Router automatically connects the specified WiFi connection to ElderSensCloud, and for data security, it can only be changed by ElderSens engineers at present. If there is any need, please contact us for help.