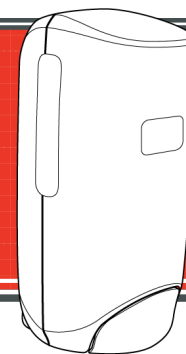


# SS1-1-900-1

## Smart Soap Dispenser



### General Description

The Smart Soap Dispenser is an IOT enabled device that comes embedded with our proprietary long-range communication technology ensuring reliable and robust operation.

The dispenser communicates to the cloud platform through our SmartHub family of cloud connected IOT hubs. It periodically communicates a message to the SmartHub indicating the battery voltage and the count of dispenses since it first began operation. This information can be used as a means of determining how much product has been dispensed since the last refill or to determine use frequency and time of day patterns to ensure hand wash policy compliance.

The long range, exceptional battery life and reliability make it the perfect choice for organizations looking for insight into the hygiene practices.

### Power

The Smart Soap Dispenser is powered internally using a 3.7V, 5.2A-H LiThCl battery pack that should give 10+ years of service life before a battery change is required, assuming a 5 minute average dispense period.

### Electrical Specifications

| Parameter                  | Minimum | Typical   | Maximum | Units                   |
|----------------------------|---------|-----------|---------|-------------------------|
| Battery Life—Standard Pack |         | 10        | 20      | Years                   |
| Operating Temp. Range      | -4°C    |           | +85°C   | Degrees Celsius         |
| Transmission Range         |         | 0.8 – 1.6 |         | kilometers <sup>1</sup> |
| Frequency Range            | 902     |           | 928     | MHz                     |
| Sensor Sample Rate         |         | 5         |         | Minutes                 |

1) Outdoors, line of sight, unobstructed, antenna elevation 10 feet

### Order Information

| Part Number | Description                                                 |
|-------------|-------------------------------------------------------------|
| SS1-1-900-1 | Smart Soap Dispenser, 900MHz, battery powered, int. antenna |

### Internal Channels

This device is configured with two (2) internal channels:



**Battery Voltage**



**Dispenser Count**

### Mounting

The Smart Soap Dispenser comes with the wireless IoT kit pre-installed. Mount the Soap Dispenser to the wall, or another preferred location, insert the soap per the manufacturer's instructions, and begin using the device. Note: the Smart Hand Dispenser must be mounted within range of a Smart.Hub for it's reading to be passed through the Cloud platform, and viewed in the Whisker Web Portal.

