



www.aicare.co

+1 925 900 6009

info@aicare.co

197 E. Hamilton Ave Suite 203,
Campbell, CA 95008

AiCare- Emergency Alert White Paper (AiCare-W02)



Document version 1.0

Revision History

Version	Date	Comment
1.0	2019-07-09	Document created.

Table of Contents

EMERGENCY ALERT (AICARE-W02)	4
1) BACKGROUND/CHALLENGE.....	4
2) SOLUTION PROVIDED BY AICARE	4
3) SOLUTION FEATURES, BENEFITS, AND OTHER SERVICES	5
4) HOW IT WORKS	6
5) REFERENCES.....	6

Emergency Alert (AiCare-W02)

1) Background/Challenge

Emergency condition could occur at any time and in any place. For example, over 25% of seniors fall each year, and falls cause the largest percentage of deaths from unintentional injuries among seniors [1]. A complete SOS call service can not only help facility managers or staffs to figure out who is in emergency condition and where he/she is in the shortest time but also help ease anxiety for seniors to remain safely alone.

2) Solution provided by AiCare

Figure 1 shows core elements of AiCare's solution that include AiPortal, Rockband, and Rockbox. Direct integration with Rockband and Rockbox hardware, AiPortal provides unprecedented flexibility and accuracy to notify facility managers or staffs by sending real-time alerts when residents press the emergency (SOS) alert on the Rockband at any time. Real-Time facility status on AiPortal shows each resident's location and movements throughout the facility.

In addition, the individual reporting for each senior resident or aggregated data view can provide you with powerful tools to provide value-add services and give the family members an extra peace of mind via 24/7 data collection and detection.




		
<p style="text-align: center;">AiPortal</p> <p>AiPortal is the enterprise-ready senior home management system that helps facilities managers and staff members provide the maximum care to senior residents.</p>	<p style="text-align: center;">Rockband</p> <p>Rockband is a personal wrist device with lightweight, durable and water-resistant features for the most difficult-to-please senior users. This device can be used 24/7 for up to 12 weeks without replacing the battery.</p>	<p style="text-align: center;">Rockbox</p> <p>Rockbox is the intelligent IoT device that bridges the Rockbands and AiPortal. It automatically scans for data and uploads it to AiPortal without any effort.</p>

Fig 1. Core elements of AiCare's solution

3) Solution features, benefits, and other services

Solution features:

- No need for extra training for enabling/canceling emergency alert
- RockBand with an emergency button can be worn 24/7
- Waterproof at the bottom of 1 meter warm and soapy water
- High impact detection
- Real-time location tracking, historical location display
- Remote portal access to dash board and real-time facility map
- Email/App alert push and subscription

Benefits:

- Easy to use: RockBand and RockBox come preconfigured and are ready to use, just wear the RockBand and plug in the RockBox.
- High quality: RockBand is manufactured using industry leading hypoallergenic materials to ensure no adverse reaction happens.

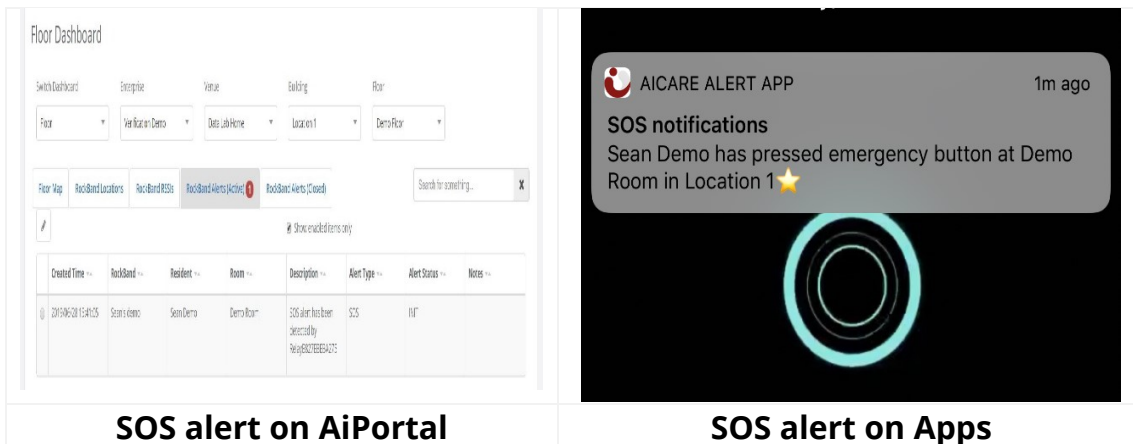
- Support: AiCare’s engineering team are available to help by email or support forum.
- Warranty: AiCare’s products are backed by a one year industry standard warranty.

Other services (depending on the subscription plan):

- Wander management. Please refer to the white paper (AiCare-W01) for more details
- Physical activity. Please refer to the white paper (AiCare-W03) for more details

4) How it works

- Each resident receives a RockBand with a press button alert.
- Press button for 3 to 5 seconds to trigger emergency signal; Cancel emergency signal by pressing button for 3 to 5 seconds again.
- This alert is sent right to AiCare’s cloud platform, and then SOS alerts will be raised on AiPortal and Apps.
- The indoor location tracking function on AiCare’s cloud platform will locate the residents in real-time to help them get assistance quicker.



5) References

1. Falls and Fall Injuries Among Adults Aged ≥65 Years - United States, 2014 (2016)