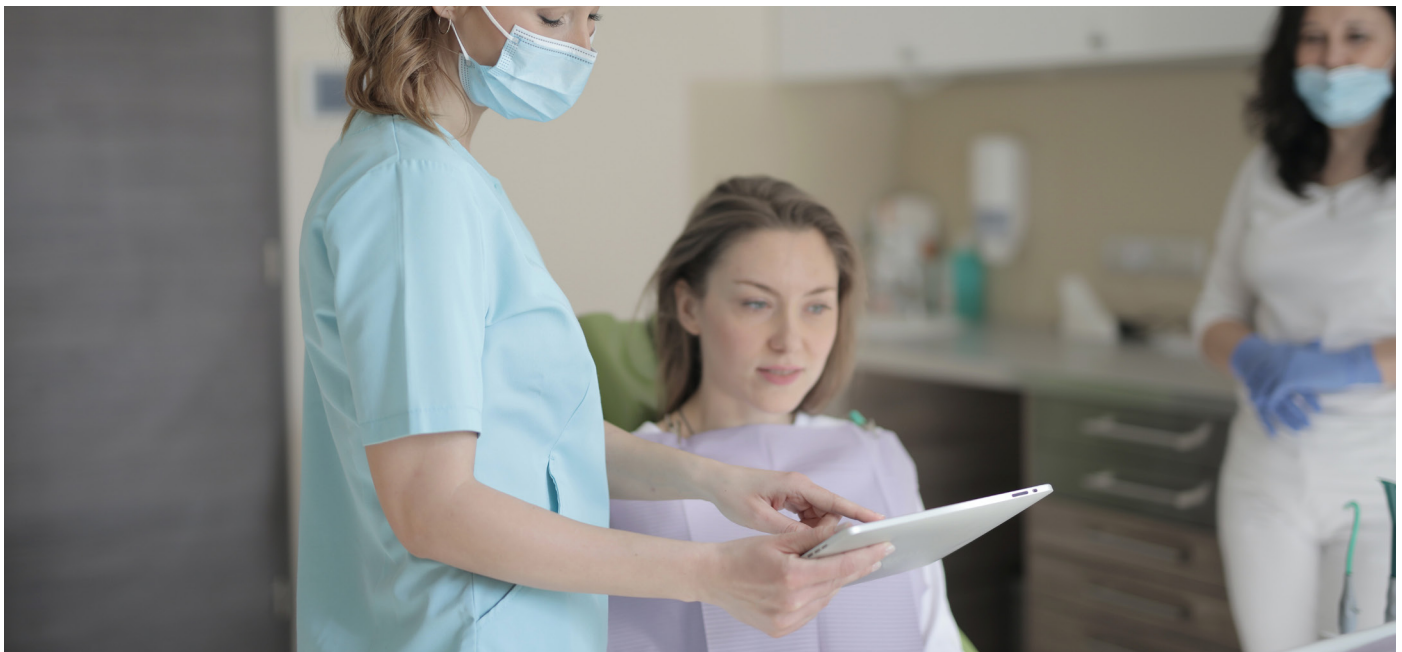


Arista Securitas Locationing Solution Guide for Healthcare

High quality of care in healthcare facilities requires efficient tracking of assets and people. Additionally, it is estimated that the cost to patients of travel and wait times for doctor's appointments in the United States is \$89 billion annually; more than any other service category¹.

Choosing the right technology and implementing it in healthcare settings to improve operational efficiency and safety is often challenging, given the multitude of use cases and their unique requirements. Another critical area of concern for healthcare management is the protection of their staff. Recent studies indicate that 44% of nurses reported experiencing physical violence and 68% reported experiencing verbal abuse during the COVID-19 pandemic²

Real-time visibility and protection solutions are indispensable tools to help ensure the safety and efficiency of healthcare environments, addressing multifaceted operational and security challenges.



Real-time Visibility Solutions

Visibility into location and status of assets and patients enables healthcare management to optimize asset workflow, staff communication and patient flow. This visibility saves significant costs by improving asset and space utilization, simplifying workflows and streamlining regulatory compliance.

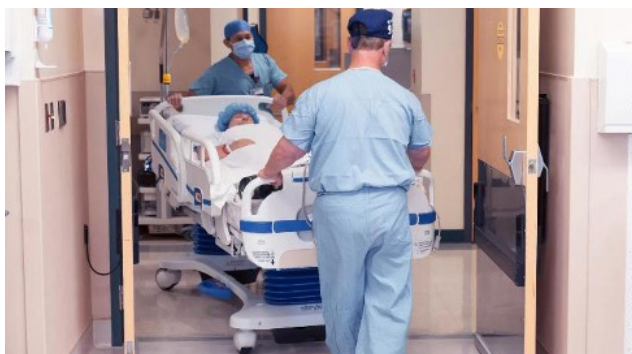
Asset Management & Tracking

Asset tracking solution provides total visibility to where and how critical hospital assets such as wheelchairs, beds, biometric monitors, IV pumps and scanners are being used. Tagged assets can be tracked easily, minimizing search time, and saving costs of excess re-ordering due to misplacement. Efficient asset workflow reduces the patient waiting times significantly while ensuring the best patient care.



Staff and Patient Visibility

Clinical and support staff wear small W-Fi badge, offering real-time visibility into caregivers' location to significantly enhance care coordination, gain insights for workflow optimization, and automate nurse call functionality. Similarly, the Patient Visibility solution provides real-time location information for each patient throughout their visit or stay. This proactive approach enables the anticipation of potential bottlenecks in the care process, empowering staff to address issues before they escalate into delays.



Environmental Monitoring Solutions

Cold storage in the pharmacy and humidity in the operation theatres need constant monitoring to ensure safe storage of expensive medication as well as for regulatory compliance. Wireless tags are ideally suited for automating temperature and humidity monitoring. Every reading from every device is automatically stored and date stamped, with a range of ready-made reports for quick and accurate reporting that can include corrective actions. With measurements taken as frequently as every few minutes, the temperature and environmental monitoring solution supports higher levels of patient safety not only for stored items but also for critical environmental factors such as maintaining ideal humidity in the operation theatres. Environmental Monitoring solutions also reduce loss and save costs by sending out alerts when storage units malfunction so that the staff can intervene to protect the contents before they become damaged and unusable.

Protection Solutions

Protecting vulnerable individuals such as infants, elderly and wandering patients as well as staff exposed to duress lies at the heart of every healthcare facility.

Infant and Patient Protection

Patient wandering and infant abduction are the risks that caregivers frequently face. Elopement incidents expose the hospital to serious financial and regulatory consequences. Patient protection solution delivers multi-layered security that includes exit protection and continual supervision to keep patient safe. For newborn and pediatric patients, Hugs® Infant Protection solutions offers enterprise-wide security that includes tamper alarms, exit alarms, and out-of-unit alerts that allow staff to respond quickly. Every patient is banded with a Wi-Fi tag specifically designed for patient security. The Hugs tag is automatically activated when attached, protecting the infant anywhere in the hospital with the seamless coverage provided by Wi-Fi infrastructure.



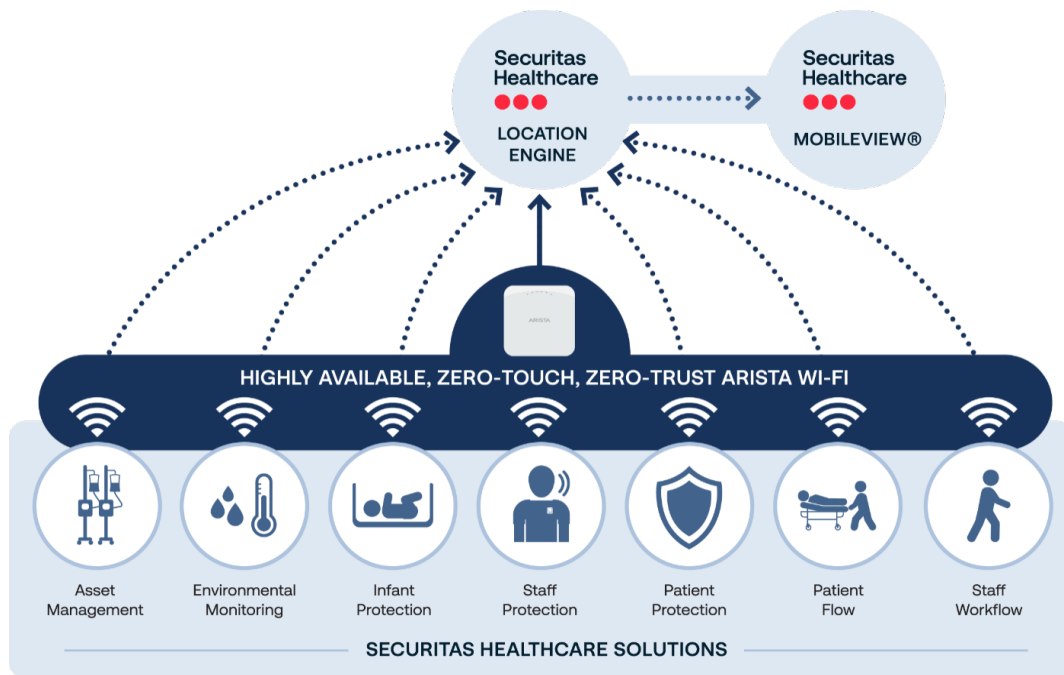
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Arista and Securitas Healthcare Together

Arista's Wi-Fi infrastructure interfaces seamlessly with Securitas Healthcare's (formerly STANLEY Healthcare) Wi-Fi tags and badges to offer best in class tracking, monitoring and protection solutions for the healthcare industry. Arista's Wi-Fi Access Points (APs) can detect Securitas Healthcare tags/badges within their coverage and provide the received signal strength information (RSSI) of the tag/badge to the Securitas Healthcare's industry-leading Real-Time Location System (RTLS) platform. Arista's high availability, zero-touch and zero-trust Wi-Fi network ensures hospital information is delivered fast and securely to Securitas Healthcare's servers.

The location of the tags/badges is determined by Securitas Healthcare's RTLS platform from the RSSI information shared by Arista Aps. For accurate positioning of the tags/badges, Arista recommends that the tags/badges be within the coverage of at least 4 APs. The frequency of tag/badge information transmitted from the AP can be configured at the AP to suit the application requirements. For example, information from wearable badges on patients and staff on the move can be sent to the server every few seconds whereas tags attached to fixed assets such as medical equipment, cold storage units etc., can share information less frequently. The real-time location information of patients and assets is further analysed by Securitas Healthcare's MobileView® software and rendered for easy access on smartphones of the hospital staff/patients. Asset locations can also be displayed on desktops and monitors placed at strategic locations within the facility to equip staff and doctors with the information they need. The information can also be accessed via mobile apps for instant notifications and easy location of critical assets and people.



Arista – Securitas Healthcare integrated solution for healthcare

Securitas Healthcare



About Securitas

Securitas Healthcare empowers caregivers to deliver connected, productive and safe care. Its innovative portfolio of healthcare solutions helps over 15,000 hospitals, clinics and senior living organizations worldwide protect people, use assets efficiently and understand their operations for a caring and healing environment. Securitas Healthcare is proud to be part of Securitas, the world's leading intelligent protective services partner. For more information, visit us at securitashealthcare.com

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Benefits to Customers

The benefits of the joint solution offered by Arista and Securitas Healthcare include:

Seamless integration

The integration of Securitas Healthcare Wi-Fi tags/badges and Arista APs is made easy and seamless by Arista and Securitas Healthcare's powerful platforms - CV-CUE and MobileView respectively.

Fast deployment

The deployment of Arista APs and Securitas Healthcare tags/badges is fully automated, thanks to the backend cloud platforms supporting the deployment. Arista's zero-touch, zero-trust network enables fast, secure, and easy to maintain deployment.

Scalable solution

The enterprise-wide solution is highly scalable, which can be deployed in small as well as large healthcare facilities with the same ease. Arista's CV-CUE and Securitas Healthcare's MobileView leverage the flexibility of their respective architectures to scale the deployment as required.

Real-time tracking and analytics

Securitas Healthcare's tags/badges can be customized to provide location and status information ranging from 5 seconds to 3600 seconds over the Arista infrastructure. Beaconing frequency depends on the solution deployed and hospital requirements. The data provides real-time visibility, alerts and reporting to address immediate events such as staff duress or vaccine refrigerator malfunction or reporting for regulatory compliance and operational needs.

Control and visibility

MobileView and CV-CUE offer complete control over the configuration of tags and wearables. The end-to-end visibility delivers actionable location data enabling invaluable insights into the assets usage and tracking thereby improving operational efficiency.



References

1. Altarum, Travel and Wait Times Are Longest for Health Care Services and Result in an Annual Opportunity Cost of \$89 Billion, <https://altarum.org/travel-and-wait>
2. U.S. Bureau of Labor Statistics, Monthly Labor Review, [Occupational injuries and illnesses among registered nurses, Nov 2018](#)



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