

What is RFID Site Manager?

RFID Site Manager Overview

RFID Site Manager is a collection of enterprise-class Windows services that:

1. controls multiple RFID readers on a network
2. collects the unfiltered tag reads from the RFID readers
3. applies VIO Integration's patent-pending filtering logic to the tag reads
4. outputs the filtered tag reads to a local database (SQL Server Express)
 - o can optionally send the filtered output to Lookout AMS; VIO Integration's cloud-based asset management solution

The purpose of the RFID Site Manager is to allow an organization to rapidly deploy tracking solutions for improved monitoring of human and capital resources. When coupled with Lookout Asset Management, RFID Site Manager provides an always-on, end-to-end solution for tracking, managing, and providing life-cycle support for company assets in real time; as well as manage other warehousing, distribution, and logistics activities such as inventory control, shipping, receiving, etc.

If an organization wishes to deploy their own custom RFID solutions, or integrate RFID Site Manager into existing systems, no proprietary APIs are needed since the local database can simply be queried by an end-user, or another application, for instant custom report generation. If custom application development is needed for unique implementations, VIO Integration can provide any number of server, desktop, and mobile application development services to meet the needs of any project.

RFID Hardware Partners



How It's Deployed

RFID Site Manager is served locally at the customer's location on a hardware controller. The controller is available in four (4) form factors:

- as a software install on your hardware
- a tower model for small office installations
- a 2U rack model for enterprise installations
- a rugged, fan-less mini-PC for non-climate-controlled installations (optional NEMA enclosure w/ integrated UPS for industrial environments available)

The controller connects to the RFID readers via standard TCP/IP. Each controller runs Windows 8.1 Pro 64-bit so that domain integration is possible, and Active Directory can be used to manage access to the controller. Each controller has two (2) network interface cards, so that deployment on a vLAN is simple and secure. The tower and rack models come standard in a RAID 1 configuration for improved reliability and availability. If an organization wishes to couple RFID Site Manager with Lookout Asset Management, a unique company key is provided so that the controller can be simply configured to direct filtered RFID data to the cloud.

Supported RFID Hardware

[Impinj Speedway Revolution Readers](#)

- Speedway R420, 4-port reader
- Speedway R220, 2-port reader
- Speedway R640 (xPortal) - integrated reader

[Alien Technologies](#)

- ALR-9900, 4-port reader
- ALR-9680, 4 port-reader
- ALR-9650, integrated/ 1-port reader

[Convergence Systems Limited \(CSL\)](#)

- CS203, integrated reader
- CS468, 16-port reader
- CS469, 4-port reader

About VIO Integration

Our mission is simple: to help organizations keep track of the things that matter the most to them. Whether you are tracking human or capital resources, in an isolated facility or throughout the supply chain, VIO Integration provides solutions that help monitor the locations of those resources in real-time. In addition to location data, our solutions allow you to manage the life-cycle of those resources, giving you the tools you need to make intelligent decisions for resource allocation.

Implementation Partners: Your Solution; Built Just For You

To ensure consistent results, VIO Integration works with dedicated implementation partners to provide end-to-end solutions for your tracking & monitoring needs. Whether you need to integrate RFID into an existing system, develop an in-house tracking & monitoring system from the ground up, or implement logistics & supply chain processes to accurately move and transport your resources, VIO Integration can provide best of breed subject matter experts to ensure that your solution is built just for you.



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