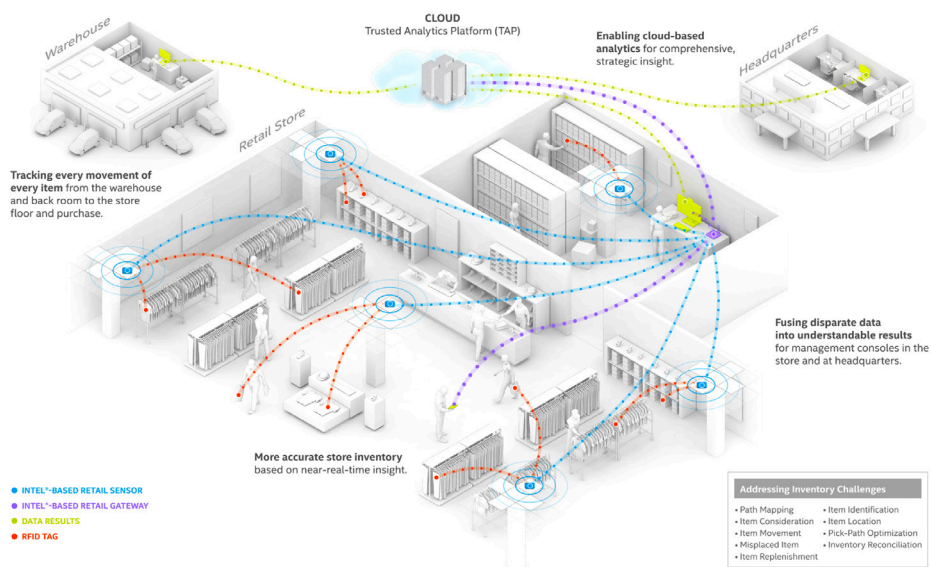# Intel® Retail Sensor Platform delivers near 100% inventory accuracy

The Intel® Retail Sensor Platform is an end-to-end solution designed to help system integrators and retailers quickly create and deploy innovative retail solutions informed by analytics.

Intel's Retail Sensor Platform provides system integrators and retailers an out-of-the box, advanced, in-store analytics platform. This simple-to-install solution manages retail sensors, such as RFID , through an Intel®-based gateway, and supports analytics capabilities from the edge to the cloud. It also provides an easily deployable cloud and big data analytics architecture with Trusted Analytics Platform (TAP), allowing system integrators the ability to deliver applications that can boost retail profitability and provide new insight into product demand, consumer behavior and store logistics.
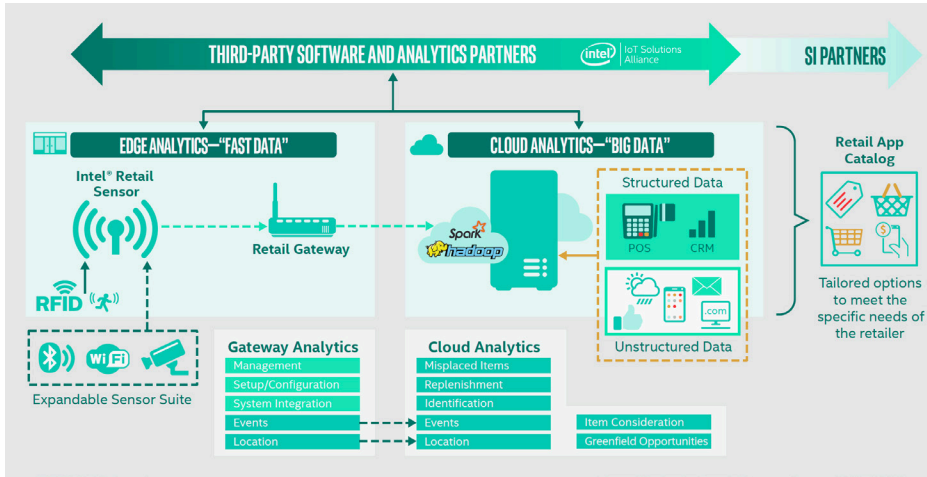
Inside the Intel® Retail Sensor Platform Architecture

- Based on an industry-standard, open software platform seamlessly integrating multiple devices
- RFID reader and antenna provides 150-300 square feet of coverage per sensor at more that 600 tag reads per second
- The gateway finds, configures and interacts with the Intel® Retail Sensors over Ethernet without 3rd party middleware
- Open-source analytics platform. The cloud-based, horizontal platform features an integrated stack that reduces complexity and provides greater control to businesses
- Trusted Analytics Platform (TAP) accelerates the creation of secure, high-performance big data analytics applications in cloud environments. TAP includes the necessary tools, algorithms, and engines to make it easier to conduct advanced analytics

CLOUD
Trusted Analytics Platform (TAP)

Enabling cloud-based analytics for comprehensive, strategic insight.

Tracking every movement of every item from the warehouse and back room to the store floor and purchase.

Fusing disparate data into understandable results for management consoles in the store and at headquarters.

More accurate store inventory based on near-real-time insight.

- INTEL®-BASED RETAIL SENSOR
- INTEL®-BASED RETAIL GATEWAY
- DATA RESULTS
- RFID TAG

Addressing Inventory Challenges

- Path Mapping
- Item Consideration
- Item Movement
- Misplaced Item
- Item Replenishment
- Item Identification
- Item Location
- Pick-Path Optimization
- Inventory Reconciliation

Intel® Retail Sensor Integrated Technologies

Intel® IoT ecosystem partners support retailers data collection and analysis

Intel® Retail Sensor Platform Key Benefits

Benefits	
Fast Time-to-Market	Works out of the box and requires no hardware development or software patches, allowing the solution to be up and running in minimal time
Easy Installation	Sensors can be easily affixed to any wall or ceiling. All sensors run on power over Ethernet to minimize cable installation and eliminate signal loss
Manageability	Sensors are automatically detected and configured by the gateway and manages, controls and coordinates them through MeshCentral
Security	Intel® Security solutions span both hardware and software to help deliver true end-to-end security
Analytics	Trusted Analytics Platform (TAP) provides a foundation for big data analytics on open-source Hadoop® and OpenStack®. This open source solution reduces development costs and time-to-market
Expandable Sensor Suite	Current support fixed RFID reading capability for real-time real-time inventory, progressing to video, PCI Express®, BLI®, and WiFi®
Low-Cost	Available through distributors at a price point significantly lower than many RFID technology and retail sensor solutions

For more information

about how the Intel® Retail Sensor Platform solution could work for you please email us at **retail@arrow.com** or visit **iot.arrow.com**

In Person

Please contact your local Arrow account manager or 800-833-3557

intel®

ARROW
Five Years Out