Industry & Logistics Solutions

SECURE contactless.

ASSA ABLOY

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Streamlining logistics and industrial applications for increased productivity, safety and security

HID's secure contactless technology solutions have been proven across the full spectrum of logistical and industrial applications including waste management collection optimization.

We live in an information age, and an increasing amount of the information around us is attached to objects being manufactured, raised, or transported in global commerce. From a single high-value item to a pallet or a truckload—from a head of livestock to a rare bottle of wine— logistical information helps products get where they're going, tracks where they've been, and prevents spoilage, loss, and fraud.

As barcoding once replaced alphanumeric labels, secure contactless technology complements and sometimes replaces barcoding as the method of choice for identifying, directing, and tracking merchandise. As the leader in the development of track-and-trace capabilities, HID Global offers a broad base of components and capabilities to help customers make the most of this powerful technology.

Faster, smarter, better

Barcoding introduced automation to the logistics process, but while that technology was a significant advance over manual processing it also had limitations. The format of a barcode was specific and inflexible. It conveyed a limited amount of data, and that data was fixed when the code was created. Particularly challenging was the fact that a barcode had to be positioned within the reader's line-of-sight, which could slow down processing and required hand labor—exactly what the system was designed to reduce.

Secure contactless identification technology represents a huge leap forward in logistics solutions. Devices now store vastly greater amounts of information. With read/write capability embedded in device memory, stored data is actively updated in transit. Readers no longer require line-of-sight, but are able to read tags in proximity, even through packing materials. And multi-read capability allows hundreds of tags to be read and recorded in a matter of seconds.

Integrated Solutions

HID Global specializes in secure contactless technology, providing both a wide variety of specialized tags and readers and expertise in reader modules. We also offer technical support, advice, and field-tested applications expertise developed over years of experience. We develop application-specific components for virtually

any application: tracking and handling expensive jewelry and medical devices, managing waste management operations, tracking the movements of animals, and protecting high-value food products.

We offer specialized tags that withstand moisture and heat in laundry facilities. Others are designed to withstand extreme temperatures, harsh chemicals, and the rough handling in high-volume manufacturing facilities or during shipment. We have tags designed to pack lots of memory into a compact device and tags specifically designed for outdoor applications. We even offer nail tags that can be driven into wood and tags that can be injected into or ingested by animals.

Yet HID Global, oftentimes in collaboration with external partners, offers far more than just an array of specialized components. By combining advanced capabilities, we provide turnkey solutions including transponders, optimized readers, reader modules, capabilities including anti-collision and authentication technology, and services in selected applications. If a standard solution does not fit your needs, we have the

resources to develop a customized solution that will. Additionally, we leverage our network of suppliers and work with specialized integrators to meet specific end-user needs. And our systems are compliant with ISO standards, including 15693, 18000, and 11785.

A commitment to leadership

HID Global is committed to the advancement of automatic identification and data capture (AIDC) technologies, and is active in AIM Global, (Association for Automatic Identification and Mobility). This organization represents manufacturers, consultants, system integrators and is the forefront of technology development and standardization. In addition, HID works with end users, experienced developers and equipment suppliers, and system integrators to identify emerging trends and develop innovative solutions to meet those needs and requirements.

HID Industry and Logistics Solutions can help you maximize productivity, speed production and distribution, and assure critical standards and regulations are met.

An anti-tamper tagging solution enables staff to inventory hundreds of pieces of jewelry in seconds, increasing accuracy and staff productivity.

On the leading edge

Waste Management

HID Global partners have developed a fully automated, truck-based system utilizing our components to help manage waste collection. The system provides real-time route optimization and supports automated invoicing based on the weight of each pickup.

Food & Animal

Our animal solutions are sized for everything from mice to large livestock and even zoo animals. They can be attached as ear tags, inserted subcutaneously, or embedded in a ceramic bolus for insertion into an animal's stomach. Application-specific food tags are suitable for everything from cheeses and animal carcasses to perishable produce to fine wines.

Laundry

At HID Global, yesterday's custom solution often becomes today's standard offering. Some recent innovations include a button tag, virtually indistinguishable from a standard button, designed to be sewn onto clothing.

Medical

We now offer an identification tag for medical devices and dental tools. Hardened to withstand the rigors of sterilization, this system tracks the lifecycle of instruments. It helps manage and control the sterilization process to reduce the risk of infection and comply with standards and regulations.

Automation

For automation processes, HID provides transponders to record and track equipment use and repair or maintenance enabling compliance with backward traceability requirements. Life cycle management is also made efficient with tracking implementations.

In these and other applications, HID Global has worked with integrators to respond to users' needs and push the limits of secure contactless technology capabilities. HID Global's commitments to innovation and customer focus have kept us at the forefront of device design and application development.

Results you can count on

Information has always been a source of power. In today's competitive global markets, information is profit as well. An investment in secure contactless technology provides powerful tools for controlling and securing your operations, as well as reducing expenditures. HID Global can help:

- Lower operational costs
- Improve stock management
- Decrease stock levels
- Reduce spoilage and theft
- Speed up logistics processes
- Reduce or eliminate handling errors
- Meet standards and comply with regulations
- Improved security

Selection Guide

As a leading identification technology supplier, HID offers a broad range of secure contactless transponders and reader products. Choose from a host of memory sizes—64-bit to 16-kbit—and read-only and read-write capabilities. Our secure contactless technology is available in low frequency (125/134.2 kHz), high frequency (13.56 MHz), and ultra-high frequency (869 – 915 MHz).

Logi Tag
Mechanical, chemical and temperature resistance for harsh environments such as laundries

Glass Tag
Small size with high chemical resistance provides an ideal solution for tag into metal and for application requiring long term immersion into liquid

Nail Tag
Easily inserts into wood

Clear Disc
Thinnest, most cost-effective pre-packaged device

Secure contactless readers & modules
Optimized for industrial applications

World Tag
Best general use price/performance ratio for indoor assets identification

Poly Tag
A durable tag designed for outdoor use requiring extremely high impact resistance

Volcano Tag
Offers high temperature resistance in automation process environments

InLine UHFs
A robust tag for long-range outdoor applications such as vehicle and container identification

IN Tag
Ruggedized for severe industrial environments and also available for metal mounting

Piccolino Tag
Extra compact (Ø7.5 or 9 mm only) with large memory capacity

Epoxy Tag
Extra thin tag (1 mm) with high mechanical & thermal stability

Jewelry Tag
Dedicated tag for jewelry tracking

Keg Tag
Dedicated tag for tracking kegs

E-unit Rod
Ear tag for livestock or customizable implant for pet identification

E-unit Disk
Ear tag in a variety of sizes

Bin Tag
For integration into waste management collection bins during or after molding

Glass Tag
Subcutaneous tag for pet and exotic animal identification

OEM reader modules
Customized reader modules can be integrated into your portable reader device

Plug Tag
Easy-mounting, non-removable tag for tracking assets such as pallets, waste bins and furniture

HID Global

One stop, one partner

End customers and system integrators

alike benefit from the growing HID Global

portfolio of products and our years of

application experience. Our vast and varied

experience lets us turn challenges into

opportunities. Whatever your challenge,

we'll work with you to get the job done,

done quickly, and done right.

The trusted source for secure contactless technology

In today's demanding industry and logistics applications there are no one-size-fits-all solutions. HID Global offers a broad range of targeted products to meet the most exacting and specialized requirements, ensuring that you can find a solution to your exact requirements.

Our expertise is based on decades of work with partners and end-users around the world. Our solutions for industry, agriculture, government, and education have set the standards in identification, security, and tracking. We bring those resources and that experience to every new challenge, to deliver smarter, more reliable, and more cost effective results.

At HID Global, we have over 45 years of manufacturing experience and over 20 years of focus on the development of secure contactless transponder technology with the Sokymat brand. Our support services include the HID Global Academy, a unique training resource providing infrastructure and expertise for technical platform evaluation and pilot projects.

For innovative technology, industry knowledge, field-proven experience, and manufacturing know-how, the world relies on HID Global.

HID's corporate offices are located in Irvine, California. Operations serving the Americas are also based in Irvine, with regional headquarters in Haverhill, England (EMEA) and Hong Kong (Asia Pacific). The company also maintains regional offices throughout the world for localized assistance.

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