

# e-Government Solutions



**ACCESS** secure identity.

# e-Government Solutions



## Creating a world with more security, efficiency and freedom, all at the same time.



### **Making the migration from legacy systems easier and cost efficient.**

*Many government ministries charged with implementing e-documents or smart card-based credentials must also figure out the best way to migrate from their current, often paper-based identity systems. HID Global multi-technology document and card readers provide the answer. For example, an e-passport reader would include an optical character reader for swiping traditional printed passports. That means you can migrate to new technologies as budgets and schedules permit, without disrupting the security provided by your current system.*

The romantic spy novel era of expertly forged passports and grim border guards is history. Today, e-passports are filled with biometric data that's virtually impossible to forge. And immigration officers wave travelers through checkpoints with a smile and quick scan of their digital documentation.

This is the world of e-Government. This is the world of HID Global. For decades, we have been a driving force in the development of personal credentials that are more secure, more efficient to use and more interoperable between systems and countries. Our focus on e-documents has made HID Global the world's number one supplier of secure contactless technology transponders. This is the core technology for e-passports, e-visas, e-national ID cards and other digital secure credentials. We complement our secure contactless technology offerings with equally deep expertise in secure microcontrollers and operating systems.

HID Global works with government ministries, state printers and system integrators to provide the critical components of e-Government systems. First, we produce secure credentials with embedded secure contactless technology and visual security elements designed to deter counterfeiting. Second,

we provide the document readers that retrieve the information stored in e-documents for on-the-spot identity verification. And finally, we support e-Government programs with consulting, design assistance and training services. All of this has made HID Global the trusted worldwide partner for the delivery of secure identity.

### **Authenticity assured.**

Secure personal identification has become a cornerstone of increased national security in countries around the world. HID Global electronic documents such as e-national ID cards, e-passports and e-visas pose formidable challenges to counterfeiters, identity thieves and terrorists. An e-passport may look like a traditional printed travel document. But the embedded HID e-document technology contains encrypted biometric data that authenticates the identity of the passport holder. Card-based credentials can be protected from counterfeiting with an HID holographic overlamine that includes optically variable security elements, some just a few microns in size.



*e-Government programs can make everyday life easier for millions of citizens, while improving national security and the efficiency of government operations.*

## E means efficiency.

HID Global electronic documents not only provide a high level of security and authentication, they offer a high level of efficiency and convenience for governments and their citizens. Our secure contactless technology for e-document makes identity checks simpler, faster and more secure. The combination of extremely tight security and ease-of-use has made HID Global e-document technology the industry leader worldwide. And we are successfully applying this technology to many other e-Government projects such as e-driving licenses and e-Health cards.

## Passports without borders.

While e-passports, e-visas and other forms of secure electronic identification are erasing traditional barriers to international travel, they're also creating a few challenges of their own. Specifically, the problem of interoperability. What assures that the e-passport issued by one country will be readable by another country?

The answer is compliance with international standards. HID Global has worked extensively to ensure the interoperability of our e-document

technologies and products. Our e-document products comply with ISO standards, EU regulations and standards set by the International Civil Aviation Organization (ICAO) for machine-readable passports. In fact, our document readers achieve top results in ICAO interoperability tests. In addition, our products and e-document production sites satisfy all other relevant industry standards, such as ISO 9001:2000 certification and Common Criteria EAL 5+ for computer security.

## An experienced partner.

HID Global has a long record of building complex, secure identity systems, physical and logical access control systems and e-Government projects around the world. We work directly with state printers and e-document manufacturers who interact with government ministries, and we partner with system integrators. Our level of engagement has ranged from consulting and design, to supplying components. Whatever our role in a project, our goal is the same: help achieve project success.



## The multi-function advantage of e-national ID cards.

*National ID cards are nothing new to millions of people around the world. But national IDs based on HID smart card technology offer a surprising array of potential functions. HID Global is a leader in both secure contact and contactless smart card technologies, which makes us an ideal partner for e-national ID card programs.*

*Storing a qualified digital signature on a smart ID card, for example, enables e-Government applications such as electronic tax declarations, notary services, social insurance services and so on. Lower costs, time savings and higher quality service are just some of the advantages to e-national ID cards based on HID Global smart card technologies.*



## Making the promise of e-documents a reality with innovative technologies and products.



Fargo® HDP5000 Card Printer/Encoder

### Card-based secure credentials begin with Fargo Card Printer/Encoders.

Fargo Card Printer/Encoders fit just about every secure identity application you can think of, from on-the-spot issuance of e-national ID cards and e-driving licenses to high-volume production of health program ID cards. Factory-installed and field-upgrade options let you configure Fargo printer/encoders (depending on the model) for single- or dual-sided card printing, single- or dual-sided lamination, and encoding for contact and contactless smart cards, proximity and magnetic stripe cards.

One of the advantages of working with HID Global on e-Government projects is our ability to provide critical system components, from secure credentials to document readers. Our manufacturing experience stretches back to 1964, and we have 20 years experience in secure contactless technology transponder manufacturing. HID Global is the only company in world with more than one highly automated production facility that is both ISO 9001:2000 certified and CC EAL 5+ security certified with a zero balance system as part of its security. Our annual production capacity for secure contactless technology transponders is approximately 250 million units from five global manufacturing sites.

Of course, what we don't manufacture ourselves, we source. Our multi-sourcing concept with tight supplier relationships accounts for our neutral market position and guarantees the best choice of components for our customers.

### E-documents.

HID Global makes a wide range of secure credential products, including smart cards and visual security overlaminates, and e-document secure contactless technology components. We manufacture inlays and

prelaminates, complete with microcontroller chips and operating systems, that turn printed passports into high-security e-passports. These products can be integrated into various form factors: passport cover pages, e-covers, customized data pages and tamper-evident visa stickers. Inlays can be used with all standard passport production equipment. Secure contactless technology is also used in card-based applications such as national ID cards.

Since e-passports must withstand 10 years of use, HID Global has innovated and developed a new process: wire transfer technology that seals copper wire antennas into e-document inlays and prelaminates. Wire transfer allows the use of highly durable and flexible materials such as ceFLEX™ which adds durability and ensures long life for e-documents.

### Secure credentials.

Beyond e-documents, HID Global is an industry leader in card-based secure credentials. HID smart card and proximity card technologies are used around the world for secure ID and access control systems. Our Fargo Card Printer/Encoders are highly regarded choices for both on-the-spot issuance of secure ID cards, and large volume card production.



We also provide visual security protection for secure credentials and e-documents. We partner with leading manufacturers to develop high-security holographic overlaminates for our smart ID card products. Ideal for applications such as e-national IDs, e-driving licenses, and e-Health cards, these overlaminates include up to 40 optically variable security features to deter the most sophisticated counterfeiting attempts.

### E-document readers.

Anyone who has stood in a long passport control queue will appreciate the importance of a fast e-document reader. Fortunately, HID Global makes some of the fastest e-document readers on the market. HID Global reader module platforms are based on the developments and experience of three market leaders: ACG, Integrated Engineering and OMNIKEY. These brands, now part of HID Global, have been recognized in the government segment and proofed at all ICAO interoperability tests to be at the top of their classes.

HID Global e-document readers are available as plug-and-play desktop units and as OEM components. A firmware update option offers years

of future-proof operation. And a cost-effective upgrade option turns existing OCR swipe passport readers into fully ICAO compliant e-passport readers.

### Components for the real world.

The biggest technical hurdle when implementing an e-passport-based border control system is the interoperability between the transponders and the readers. The readers are the most complex element of the system; they must be compatible with a variety of chips and 20 to 30 different operating systems.

HID Global works with a large number of leading OEMs and can address any requirement for e-document hardware and software components: from integrated circuits, modules and inlays to reader components, personalization software and training. HID Global also provides our clients with independent consultancy and training services through our most experienced secure contactless technology, microcontroller and ICAO specialists. For government suppliers confronted with the challenge of adding an "e" to their secure credential products, HID Global offers our complete support.



### Improving the health of health care IDs.

Leveraging e-Government expertise, Germany's e-Health program is one of the most ambitious smart credential projects in the world. Currently in a trial stage, the system is designed to improve collaboration between millions of health care professionals and provide enhanced services to their patients.

Since the German system is heavily dependent on networking, HID Global developed the special LAN-connected, multiple-interface e-Health card terminal shown above. Our participation in this project has sparked development of a new generation of HID LAN-connected smart card readers for future applications beyond e-Health. (Terminal currently available only in German markets.)



## HID Global: The trusted source for the delivery of secure identity.



### **An enduring commitment to security, quality and service around the world.**

*As part of the ASSA ABLOY Group, HID Global customers can rely on us for impeccable performance in business continuity, confidential cooperation, service excellence and responsible social and ethical behavior. ASSA ABLOY has established a code of conduct that we, as a member of the ASSA ABLOY Group, are committed to observing.*

HID Global is in an ideal position to lead and participate in large-scale e-Government programs, from e-passports and e-visas, to e-national ID cards and e-Health cards. We offer a unique mix of cutting edge secure contactless technologies; secure ID card production hardware, software and services; and contact and contactless access control card readers. We offer a full range of experienced support services as well, from consulting and training to high-volume ID card production.

### **Installed worldwide.**

Millions of people around the world use HID Global e-documents and secure credentials in their everyday lives — and probably never think twice about it. But acceptance of our technologies and products is widespread: A large number of the most technically advanced countries in the world use our e-passport inlays, card prelaminate, or document readers. A majority of the 27 visa waiver countries are HID Global customers, as are 70% of the Fortune 1000. We have nearly 1.5 billion secure contactless technology cards and transponders in the field, and have shipped more than seven million readers.

### **Meeting the standard for value.**

It's not just the up-front costs or the product specifications that you must evaluate. It's the capabilities, reliability and experience of the company that provides the technology and components for e-Government programs. HID Global has helped build secure identification and access control systems for governments around the world. We've created or expanded much of the secure identity technology, especially 13.56 MHz secure contactless technology, in use today. We bring all of those resources to help government ministries and their partners maximize the value of their e-Government projects.

Cutting-edge technology. Deep involvement with standards development. Field-proven products. Decades of experience. When it comes to eliminating boundaries while maintaining security and efficiency, governments around the world depend on HID Global.





## ACCESS secure identity.

[hidglobal.com](http://hidglobal.com)

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