



HID FARGO & HID ELEMENT

ID Badge & Card Printing Guide





INTRODUCTION

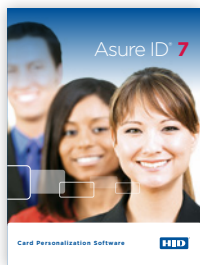
Whether you're an experienced security professional, or completely new to designing and issuing printed credentials, let this booklet serve as a guide to help you:

- Define the objectives of your card program
- Select the best card personalization and printing technologies to meet your needs
- Understand the benefits of cloud-based card issuance

CAREFULLY CONSIDERING YOUR CARDS

Begin by thinking about everything you want your cards to do. Creating an effective ID or financial card involves more than meets the eye. If you're launching a new ID card program or enhancing an existing one, you have a lot of decisions to make about card functionality, security and issuance.

A card's appearance is important, especially when it represents your organization's brand. But your first priority is a card design that enhances security, increases efficiency and productivity, and reduces vulnerability to forgery. Fortunately, HID® and your HID reseller or integrator are experts on the issuance of secure credentials. They will help you set card program objectives and explore questions that will assist you in defining the parameters of your project.



CARD PERSONALIZATION MADE EASY

Whether your ID card printing needs are simple or complex, HID's Asure ID® card personalization software provides everything you need to design and populate a card. Its intuitive interface allows users to glide from data entry and card design to printing and reporting with ease.

Asure ID is also your complete solution for performing inline personalization of contactless smart cards during the printing process for a variety of uses.

Defining the parameters of your project

1

HOW WILL YOUR CREDENTIALS BE USED?

IDs have dozens of applications, and multiple applications can be served by one ID card.

- **Identity:** ID cards authenticate that cardholders are who they say they are. Card personalization can range from a simple name and photo — to complex biometric data such as fingerprints. How will you verify and authenticate the identity of each cardholder?
- **Access control:** IDs are commonly used for physical access control (PACS) to buildings, parking and high-security areas such as server rooms and labs. You may also consider logical access control (LACS) to computer workstations, networks and databases. How many different areas of your organization will interact with cards? Will you need to encode different levels of security clearance for each?
- **Transactions:** For corporations and schools, the same ID cards that open doors can also be used for transactions, such as cashless vending. For retail businesses, cards may be used to store monetary value and/or track retail purchases for frequent buyer or loyalty programs.
- **Services:** ID cards are a quick and convenient way to authorize someone to ride public transportation, check books out of a library or check into a fitness class.

2

HOW MANY CARDS WILL YOU ISSUE?

For how many employees, students, contractors, visitors or citizen constituents will you be issuing cards? How many cards will you issue in a month or a year? Will you implement separate card designs to distinguish employees from visitors? Estimating how many cards you'll produce over time, and how you design each variation, helps right-size your card production system — so you don't buy too little, or too much.

3

HOW LONG DO YOU NEED YOUR CARDS TO LAST?

An employee, student or citizen ID card that's expected to last for years has different production requirements than a temporary visitor ID that's used for a day or two. Also consider whether your cards will be routinely exposed to the elements. This will help determine the best card materials to use and if you should consider laminating your cards for added durability.

4

HOW SECURE DO YOU NEED YOUR ID CARDS TO BE?

A card that grants access to a highly protected data center, validates citizenship or authorizes financial transactions will require more robust security than a card that admits you to a yoga class. Which visual security elements (VSEs) — and how many — will best meet your card security needs?

5

DO YOUR ID CARDS NEED TO COMPLY WITH GOVERNMENT REGULATIONS?

Is there a minimum number of security features you must incorporate within your ID cards? Is there a required combination of overt and covert security elements that must be adhered to? HID can help you determine the right level of security for your card program.

Direct-to-card and retransfer, ribbon-based card printing

HID FARGO CARD PRINTING SOLUTIONS

Choose the right HID FARGO® card printer/encoder to bring your card designs to life

Explore HID's wide selection of direct-to-card (DTC™) printing and retransfer/High Definition Printing (HDP®) solutions that range from plug-and-play, entry-level printers to more sophisticated innovations that offer advanced features, versatile encoding and lamination options. Both DTC and HDP card printers offer distinct advantages so you can choose the one that best fits your requirements.



HID FARGO DTC

Direct-to-Card Printing

If your cards will employ simple magnetic stripe technology or limited embedded electronics, consider direct-to-card printing:

- Graphics and text are printed directly onto the card surface
- Edge-to-edge, high-quality printing up to 300 dpi
- Cost efficient, plug-and-play ease of use and fast card issuance
- Enhanced security features such as watermark overlay and resin scramble available on select models



HID FARGO HDP

High Definition Printing (Retransfer)

If your cards will include embedded electronics or if image quality is of utmost importance, consider High Definition Printing:

- Graphics and text are printed onto high-definition film which is then fused to the card surface
- Over-the-edge, superior print quality up to 600 dpi
- Enhanced durability and inherently tamper-evident
- Ideal for printing technology cards with embedded electronics

ENCODING AND LAMINATION

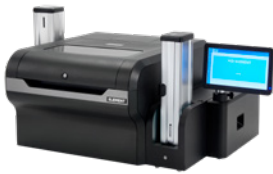
Adding HID's embedded encoders and lamination modules to your HID FARGO printers gives you the ability to personalize and laminate ID Cards all with the same device in a single, seamless, time-saving pass.

High-volume UV inkjet and laser card personalization

HID ELEMENT CARD PERSONALIZATION SOLUTIONS

High-volume versatility to meet a broad range of card personalization needs

Desktop-based, yet heavy-duty, HID ELEMENT™ solutions are purpose-built for the industrial speed and output requirements of large government ID card programs, financial institutions, enterprise organizations and service bureaus. HID ELEMENT systems offer highly configurable functionality, scalable throughput and an array of encoding options to meet a broad range of high-volume ID and financial card personalization needs.



HID ELEMENT

UV Inkjet Printer System

Employing piezoelectric drop-on-demand (DoD) printing technology, high-quality inks are applied onto the card substrate and UV-cured resulting in highly durable, visually rich cards and IDs.

- Over-the-edge, superior-quality printing ranging from 600 dpi to 1200 dpi
- Provides unique options such as creating color tactile effects and focused overlay for improved security and durability
- As easy to use as standard DTC and retransfer desktop printers but with the modularity, power and throughput to meet your central issuance needs
- Supports multiple contact and contactless encoding options



HID ELEMENT

Laser Engraver System

Leveraging proven DPSS (diode-pumped solid-state) laser technology, unique identifying data, images and security features are permanently engraved into the card body — resulting in highly secure, durably personalized and tamper-resistant cards and IDs.

- Offers standard black marking, true grayscale imaging and metal card engraving
- Accommodates high-security feature applications such as CLI/MLI (Changeable/ Multiple Laser Image), sub-surface image, tactile surface relief and custom microtext
- Supports multiple contact and contactless encoding options

SCALABLE, HIGH-CAPACITY THROUGHPUT

HID ELEMENT UV Ink Printer and Laser Engraver Systems easily scale production with up to four, 400-card capacity inputs/outputs for a total capacity of up to 1600 cards per unit — facilitating high-volume card throughput.



THE CONVENIENCE OF THE CLOUD

Issue anywhere from any device

HID® FARGO® Connect™ is a cloud-based card issuance platform that simplifies the complex, bringing together all the elements of a secure card issuance program into a centralized and integrated system.

Unlike other integrated or standalone card issuance software solutions, HID FARGO Connect lets you issue cards from anywhere, using any device, without having to install any additional software — not even a printer driver — eliminating those painful and time-consuming Windows® updates.

Architected to seamlessly integrate with popular access control and university One Card solutions, the platform streamlines operator experience as users are no longer required to toggle back-and-forth between record management and card issuance applications.

This fully hosted or on-prem, cloud-based card issuance platform also simplifies the complexity of remote issuance by enabling you to send print jobs safely and securely to remote locations without having to keep printers in a locked room or to physically mail cards to remote locations — effectively saving tens of thousands in shipping costs.

Now organizations can eliminate multiple layers of program costs, gain issuance process efficiencies and easily scale the card office to accommodate future technology or volume demands.



INLINE PERSONALIZATION — A BETTER WAY

Moving to an integrated, inline personalization process with HID FARGO Connect enables organizations to personalize cards inside and out in one seamless step. Because HID FARGO Connect is tightly integrated with door access and student management solutions, cardholder records are automatically updated with smart card details without manual data entry — regardless if issuance is initiated locally or remotely.

Discover the benefits of cloud-based ID card printing

BOUNDLESS BENEFITS

With HID FARGO Connect, you can:

- Design card templates, capture data, personalize and securely issue ID cards from anywhere using any supported device
- Gain full printer visibility and control via the platform's real-time dashboard — allowing you to address printer maintenance proactively and eliminate consumables out-of-stock issues
- Leverage the flexibility of an on-premise or hosted cloud solution, enabling issuance without additional software or printer drivers
- Use the platform's Secure Print feature to safely and securely send encrypted print jobs to remote locations — eradicating expensive card shipping fees and security concerns
- Enjoy peace of mind with end-to-end, banking-level certificate-based encryption of all sensitive card print data
- Create and issue superior-quality, multifunctional employee badges and other secure identity credentials with HID FARGO Connect-compatible DTC and HDP card printers

HID FARGO CONNECT FEATURES





ABOUT HID FARGO AND HID ELEMENT SECURE ISSUANCE SOLUTIONS

HID is the trusted source for innovative products, services, solutions and know-how related to the creation, management and distribution of secure identities for millions of customers around the world.

For more than 25 years, enterprise corporations, government agencies, healthcare facilities, financial institutions, transit authorities, service bureaus, small-to-medium businesses, colleges, universities and K-12 schools have all relied on HID Secure Issuance to deliver the world's broadest, feature-rich portfolio of card printers, laser engravers, encoders, software and solutions for the custom personalization and issuance of secure identity credentials and financial cards.

Ranging from plug-and-play, entry-level printers to the industry's most sophisticated cloud-based and industrial issuance implementations — HID FARGO and HID ELEMENT solutions are reputed among the best in the industry.

With a history of pioneering patented technologies and expertise, business integrity and long-standing customer confidence, HID leads the way in secure card issuance innovation.

For more information, visit www.hidglobal.com.



hidglobal.com

North America: +1 512 776 9000

Toll Free: 1 800 237 7769

Europe, Middle East, Africa: +353 91 506 900

Asia Pacific: +852 3160 9800

Latin America: +52 55 9171-1108

© 2023 HID Global Corporation/ASSA ABLOY AB.
All rights reserved.

2023-11-15-si-fargo-id-card-printing-sample-br-en
PLT-03831

Part of ASSA ABLOY