



Higher Education Solutions

FARGO® ID Card Printers/Encoders





Higher Education Solutions — ID Card Personalization and Issuance

Making Campus Life More Secure and Convenient for Students, Faculty and Staff

SOLUTIONS THAT MAKE THE GRADE FOR CAMPUSES OF ALL SIZES

Today's colleges and universities demand secure and flexible solutions not only for safeguarding people, assets and data, but for connecting students to a myriad of services and applications campus wide. From physical facility and logical network access to cashless payment and library check-out — it all begins with a secure and durable ID card.

For the custom personalization and issuance of multifunctional student, faculty and staff IDs, we offer a broad range of ID card printing solutions from plug-and-play, entry-level printers to more sophisticated innovations that offer advanced features, versatile encoding and lamination options.

With efficiency in mind for students and campus card administrators alike, we also offer a fully integrated, cloud-based ID card printing solution to simplify, centralize and optimize the overall management and issuance of ID cards — helping reduce costs and minimize wait times.

MANY FUNCTIONS — ONE SECURE CREDENTIAL

With HID FARGO card printers, encoders and software, you can create and issue vibrant and highly secure campus “one cards” that can perform a variety of functions, including:

- Photo identification
- Physical access to classrooms, labs, offices, residence halls and recreational facilities
- Cashless transactions for school stores, food service, vending machines and laundry
- Logical access to workstations, networks and information
- Time and attendance
- Library checkout
- Event access
- Secure print authentication
- Parking and transit

FARGO SECURITY – PROTECTING WHAT MATTERS

Colleges and universities present unique security challenges. In essence, you are protecting a small city, large corporation, research center and creative think tank all in one. Security not only means controlling physical access to buildings and events, but also logical access to networks and sensitive information — and thwarting fraudulent card production and use.

To safeguard against such threats, FARGO printers support a full range of visual security elements (VSEs) and customizable, highly secure overlaminates. Select printer models also offer built-in card security features such as fluorescent panel printing or custom watermark overlay. Beyond overt visual card security, IDs can be customized to include a myriad of covert and forensic security element options that pose an even more formidable challenge to would-be counterfeiters.

In addition to card security, select FARGO card printers come conveniently equipped with multiple features that inherently bolster the security of your entire card program. These can include AES-256 data encryption, resin scramble data protection, password protection, and optional locks for card hoppers and/or consumables access.

FARGO SOLUTIONS – WHERE SECURITY MEETS FLEXIBILITY

Modular and scalable, FARGO printers offer multiple encoder options that allow you to build security and flexibility into every student ID. Select from an array of card encoding modules to accommodate a variety of applications such as physical access to classrooms, labs and dorms, cashless vending, time and attendance, as well as logical access to computers and networks.

Field-upgradeable modules can be added at any time to support new card personalization and security needs as your requirements change over time.

For even greater convenience, FARGO encoding modules enable organizations to print and encode credentials in a one-step, inline process — saving both time and money when producing secure credentials for students, faculty and staff. Using inline card personalization, universities have greater flexibility and end-to-end control over their card procurement, inventory management and card issuance processes.

Additionally, by combining printing and encoding within a single device, institutions can rest assured that all student-specific data is included within each user's card, further extending the overall security of your card issuance program.

PRINTER SECURITY FEATURES

- **AES-256 data encryption** — which safeguards cardholder data while in transit, supporting data integrity and authentication between your PC and the printer
- **Resin scramble data protection** — a unique feature that adds an additional layer of security by scrambling and subsequently concealing any information printed with a resin panel. Used ribbon panels are rendered indecipherable, safeguarding cardholder data from fraudulent use.
- **Password protection*** — where user-defined passwords lock down printer access, ensuring that unauthorized personnel cannot use the printer to print fraudulent cards or steal personal information
- **Optional locks*** for card hoppers and/or consumables access

*Available on select models





FARGO ID Card Printers

Choose the Right FARGO Card Printer/Encoder to Bring Your Institution's Card Designs to Life

A high-quality student ID begins with a superior-quality ID card printer. FARGO direct-to-card (DTC™) and retransfer/High Definition Printing (HDP®) printers/encoders give you the ability to produce a variety of personalized, sharp-looking credentials on demand — not just student and staff IDs, but also visitor badges and parking passes, special event guest IDs and more.

Explore our wide selection of DTC printing and HDP solutions. Both DTC and HDP card printers offer distinct advantages, so choose the one that best fits your requirements.



FARGO DTC

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, password protection and optional locks available on select models



FARGO HDP

High Definition Printing (Retransfer)

- 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

HID is dedicated to developing better and more sustainable solutions for our customers and our environment — solutions that require fewer resources, use fewer consumables and create less waste. As such, many FARGO printers are designed for reduced, efficient energy consumption. Other sustainability attributes include support for eco-friendly (ECO) refill ribbons and rewritable cards on select models.

FARGO DTC Card Printers

Simple. Reliable. Affordable.

FLEXIBLE OPTIONS FOR PRODUCING HIGH-QUALITY STUDENT ID CARDS ON A BUDGET

If you're looking for flexibility, ease of use and security without paying a premium price, look no further than the FARGO DTC1250e and the DTC1500. Both printers are compatible with affordable and easy-to-use HID solutions such as Asure ID™ card personalization software and EasyLobby® Secure Visitor Management software — enabling you to create vivid, full-color student, faculty, staff and even visitor IDs quickly and inexpensively.

FARGO DTC1250E

Fast, easy-to-use, secure and eco-friendly, the FARGO DTC1250e sets the bar for high-quality yet economical ID card printing.

Key Features:

- Fast print speed
- Simple plug and play
- High-capacity consumables support
- Built-in security with AES-256 encryption and resin scramble data protection
- Earth-friendly — energy efficient and support for eco-friendly (ECO) refill ribbons and rewritable cards
- Flexible options — dual-sided printing, encoding



FARGO DTC1500

Cost effective, versatile and secure, the FARGO DTC1500 delivers powerful printing in a modular, scalable design while strengthening security.

Key Features:

- Cloud-ready
- High-capacity consumables support
- Fast print speed
- Built-in security with AES-256 encryption, password protection, resin scramble data protection and custom watermark overlay
- Earth-friendly — energy efficient and support for eco-friendly (ECO) refill ribbons and rewritable cards
- Flexible options — lamination, dual-sided printing, encoding



For added security, the DTC1500 includes a custom watermark overlay feature — providing educational institutions with a cost-efficient way to significantly increase card security without additional investments in holographic overlaminates or foil cards.



FARGO DTC Card Printers

Simple. Reliable. Affordable.

COST-EFFECTIVE SOLUTIONS THAT PROVIDE ADVANCED SECURITY AND ADDED DURABILITY

For colleges and universities seeking reliable solutions that can withstand the rigorous demands of higher-volume printing, the FARGO DTC4250e and DTC4500e are excellent considerations for your student ID program. Both printers offer advanced security features including AES-256 encryption, password protection and resin scramble data protection. As an additional safeguard, the DTC4500e also supports fluorescent panel (UV) printing. For highly durable student IDs that will last, the DTC4500 also offers lamination.

FARGO DTC4250E

The FARGO DTC4250e ID card printer combines versatility with simplicity and features a sleek design.

Key Features:

- Fast print speed and simple plug and play
- High-capacity consumables support
- Built-in security features
- Earth-friendly — energy efficient and support for eco-friendly (ECO) refill ribbons and rewritable cards
- Flexible options — dual-sided printing, encoding, same-side input/output



FARGO DTC4500E

With dual input card hoppers standard, the FARGO DTC4500e allows for maximum card input capacity and the convenient management of multiple card types.

Key Features:

- Cloud-ready
- High-capacity consumables support
- Built-in security features
- Earth-friendly — energy efficient and support for eco-friendly (ECO) refill ribbons and rewritable cards
- Flexible options — lamination, dual-sided printing, encoding, same-side input/output, locking hoppers



The DTC4250e and DTC4500e both feature a high-resolution graphical SmartScreen display with a user-friendly interface that directs you through the entire printing process with ease.



FARGO HDP Card Printers

Highest Quality. Innovative. Proven.

DISPLAY YOUR SCHOOL SPIRIT IN STUNNING HIGH DEFINITION

Colors are vibrant. Images and text are crisp. Quality is second to none. Student ID cards printed on FARGO HDP (High Definition Printing) card printers/encoders do more than protect your institution — they reflect the value you place on your university's brand. HID FARGO HDP card printers also include a built-in Workbench™ diagnostic utility and Color Assist tool to help your institution better match spot colors and bring your school insignia to life in brilliant color.

What's more, FARGO HDP printers offer advanced security features including fluorescent panel (UV) printing, AES-256 encryption and resin scramble data protection. For highly durable student IDs that will last, optional lamination is also available.

FARGO HDP5000E

Ultra reliable, affordable and easy to use, the HDP5000e redefines the everyday retransfer card printing experience — making it an ideal solution for a broad range of higher education institutions.

Key Features:

- Cloud-ready
- Prints in high-definition 300 dpi
- Built-in security features
- Seventh-generation reliability
- Flexible options — lamination, dual-side printing and encoding



FARGO HDP6600

Fast, innovative and feature-rich — the HDP6600 sets the new customer-demanded standard in retransfer printing.

Key Features:

- Cloud-ready
- Prints in high-definition 600 dpi
- Fast heat-up and prints up to 230 cards per hour
- Low-cost, wasteless lamination and unique multipass support for highly durable cards
- Earth-friendly — energy efficient
- Flexible options — wasteless lamination, dual-side printing, encoding, and locks for hoppers and consumables access



High Definition Printing delivers the highest image quality layered on the highest functioning cards. Because HDP film is fused directly to the surfaces of proximity or smart cards, it naturally conforms to ridges and indentations created by embedded electronics inside the card — helping to ensure flawless, sharp-looking school credentials every time.





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 campus locations. Administrators know all too well the pressure of having to issue a large number of credentials all at once and in a timely fashion. They realize that expedited card issuance can have a direct impact on minimizing wait times and eliminating long lines for students and staff — especially those that are typically experienced at the beginning of the academic year.

With FARGO Connect, you can take a photo and enter or verify student cardholder information in one location — and then securely send the print job for instant issuance at another location — ensuring the finished ID card is printed and ready for retrieval upon the student's arrival at the card office. It's that easy!



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.

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
- Keep up with demand by expediting the entire card issuance experience — minimizing wait times and eliminating long lines
- 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 on or off campus — alleviating security concerns
- Enjoy peace of mind with end-to-end, banking-level certificate-based encryption of all sensitive card print data
- Eliminate multiple layers of program costs, gain issuance process efficiencies and easily scale the card office to accommodate future technology or volume demands
- Create and issue superior-quality, multifunctional student, faculty and staff IDs with HID FARGO Connect-compatible DTC and HDP card printers

HID FARGO CONNECT

Gain time-saving efficiencies and bolster security — all while reducing card issuance complexity and cost.



HID FARGO CONNECT FEATURES

View printer status, print queues and manage print jobs

User-friendly video tutorials

Plug-and-play set-up

Secure edge device

Secure Print user authentication

No dedicated PC or printer drivers required

Consumables status

Future-ready platform



Find the Right ID Card Printer/Encoder for Your Institution

	DTC1250e	DTC1500	DTC4250e	DTC4500e	HDP5000e	HDP6600
GENERAL ATTRIBUTES						
Dye sublimation / resin thermal transfer print method	Yes	Yes	Yes	Yes	Yes	Yes
Resolution	300 dpi	300 dpi	300 dpi	300 dpi	300 dpi	600 dpi
Print speed* (cards per hour)	225	225	225	225	Up tp 133	Up tp 230
USB connectivity, Ethernet with internal print server	USB Standard Ethernet optional	USB and Ethernet both standard (Ethernet optional on BIS-certified units)	USB and Ethernet both standard	USB and Ethernet both standard	USB and Ethernet both standard	USB and Ethernet both standard
Inline printing and encoding	Yes	Yes	Yes	Yes	Yes	Yes
Compatible with HID FARGO Connect™ / Cloud-ready	N/A	Yes	N/A	Yes	Yes	Yes
SECUIRITY FEATURES						
Data encryption	Yes	Yes	Yes	Yes	Yes	Yes
Resin scramble data protection	Yes	Yes	Yes	Yes	Yes	Yes
Password protection	N/A	Yes	Yes	Yes	N/A	N/A
Fluorescent (UV) printing	N/A	N/A	N/A	Yes	Yes	Yes
Custom watermark overlay	N/A	Yes	N/A	N/A	N/A	N/A
Optional physical hardware locks	N/A	N/A	N/A	Yes	N/A	Yes
SUSTAINABILITY FEATURES						
Rewrite card support	Yes	Yes	Yes	Yes	N/A	N/A
ECO refillable ribbons	Yes	Yes	Yes (resin only)	Yes	N/A	N/A
AVAILABLE OPTIONS						
Dual-side printing	Yes	Yes	Yes	Yes	Yes	Yes
Contact/contactless smart card and magnetic stripe encoding available	Yes	Yes	Yes	Yes	Yes	Yes
Lamination	N/A	Yes	N/A	Yes	Yes	Yes (wasteless)
Dual input card hopper	N/A	N/A	Yes	Standard	Yes	Yes
Same-side input/output hopper	N/A	N/A	Yes	Yes	N/A	N/A
Card flattener	N/A	N/A	N/A	N/A	N/A	Yes
WARRANTY						
Warranty	Three years	Three years	Three years	Three years	Four years	Four years

*Print speed indicates an approximate print speed and is measured from the time a card drops into the output hopper to the time the next card drops into the output hopper. Print speeds do not include encoding time or the time needed for the PC to process the image. Process time is dependent on the size of the file, the printhead resolution, the CPU, amount of RAM and available resources at the time of the print.

COMPLETE, END-TO-END SOLUTIONS FOR TODAY'S COLLEGES AND UNIVERSITIES

HID offers complete, end-to-end solutions that encompass cards, readers, card personalization software and card printers/encoders that all work together to provide higher education institutions with the secure and multifunction credentials they need, while providing a cost-effective and strategic upgrade path from the legacy infrastructures already in place.

Whether you are implementing new access technologies, transitioning from magnetic stripe (magstripe) and simple proximity (prox) cards to new contactless technology; integrating multiple applications or permissions onto a single, smart credential; or leveling up to cloud-based ID issuance, HID has you covered.

ABOUT HID

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 worldwide.

For more than two decades, colleges and universities around the globe have depended on HID to protect their campuses and streamline accessibility to essential student services.

Ranging from plug-and-play, entry-level printers to the industry's most sophisticated cloud-based implementations — HID FARGO 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 higher education institutions.

For more information, visit hidglobal.com.

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.





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

For more global phone numbers [click here](#)

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