

Printing & Encoding Solutions



FARGO[®]

HDPii Financial Card Printer/Encoder



Deliver a highly personalized customer experience with instant card issuance.



FARGO High Definition Printing™ (HDP®) technology delivers superb image quality on smart cards. HDP Film conforms to the uneven surface created by embedded electronics.



The HDPii helps attract new customers and build your business with existing customers by offering the opportunity for highly customized card designs.

Financial cards just got exciting.

HID Global, the worldwide leader in solutions for the delivery of secure identity, presents the desktop FARGO® HDPii Financial Card Printer/Encoder. The HDPii makes instant issuance practical and affordable for a wide range of financial cards, and helps you deliver an outstanding customer experience with speed, convenience and security.

With the FARGO HDPii, branch personnel can hand a new financial card to a customer in minutes. No worries about cards lost or stolen in the mail. No delays due to ordering cards from a card plant or service bureau. Instant issuance with the HDPii means that your customers start using their cards immediately — a plus for your institution.

And financial cards produced by the HDPii offer impressive image quality. FARGO High Definition Printing (HDP) technology prints photo-quality continuous-tone images over the card edge with vibrant colors and sharp text and graphics.

Financial card specialist.

The FARGO HDPii printer/encoder was designed specifically for the secure instant issuance of financial cards.

The HDPii prints financial cards on both sides and writes card data with its standard magnetic stripe encoder and optional contact and contactless smart card encoders. Special features of the HDPii make it compliant with the security requirements of financial card associations. The printing materials, and the cards in the input and reject hoppers, are all protected by dual hardware and electronic locks, and the output hopper is concealed. The printer has a slot for a Kensington® lock, and can be physically bolted to a counter top. Sensitive cardholder data is AES-256 encrypted as it passes from the printer driver to the internal encoders.

The HDP advantage.

By using High Definition Printing technology, the HDPii produces financial cards with print quality that rivals pre-printed cards. High Definition Printing is a dye-sublimation process that prints crisp text and full-color, continuous-tone graphics to the underside of HDP Film. The film is then fused with heat and pressure to the card surface.

This re-transfer technology seals the card image under the HDP Film, and provides three essential benefits for financial cards: First is over-the-edge printing, which replicates the look of pre-printed cards. Durability is second,

with HDP Film protecting the printed image from rubbing off the card. And third is fraud protection. HDP Film is inherently tamper-evident. Any attempt to peel apart the card layers instantly damages the card image.

A new generation of opportunities.

The FARGO® HDPII produces the new generation of financial cards with no embossed text on the front, and increasingly, a contact or contactless smart chip inside. Instant issuance opens exciting new possibilities in card design and personalization.

Start with an unprogrammed, magnetic stripe card that's blank white except for the card association's brand mark, hologram and signature stripe. The HDPII gives institutions of any size the flexibility to brand and customize their own financial cards. For example, retail organizations can issue credit cards on-site, immediately activating them and helping ensure customer transactions on that same day. The speed, security and superb print quality of the HDPII makes these and other marketing opportunities possible.

The HDPII also simplifies the logistics of instant issuance. Instead of stocking, reordering and securing pre-printed cards at each branch location, the HDPII requires only blank card stock imprinted with each card association's brand.

Simple and secure card production anywhere.

With its ease of use, reliable operation and low

maintenance, the HDPII Financial Card Printer/Encoder gives institutions the confidence to deploy instant issuance to thousands of branch locations. The HDPII is surprisingly easy to use. Cards, ribbons and HDP Film are all cartridge-based and load in a snap. Simple on-screen prompts from the HDPII printer driver, and a helpful LCD control panel on the printer itself, make operation simple and intuitive.

The wait is over.

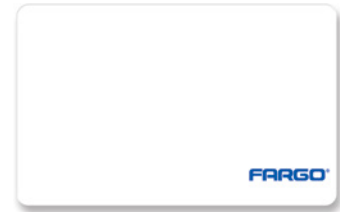
Financial institutions have wanted a card printer like the HDPII Financial Card Printer/Encoder for decades. Instead of the delays and security concerns of central issuance, the HDPII puts financial card issuance where the customer is, instantly, with vivid color and personalized graphics. It raises customer service and loyalty to a new level. And the HDPII helps lift activation to 100% and shift first transaction to just a day or two after issuance. By eliminating the traditional problems of cost, logistics and security, HID Global has made instant financial card issuance practical, affordable and profitable — with the FARGO HDPII Financial Card Printer/Encoder.

First in Class Support Application.

The included FARGO Workbench diagnostic utility facilitates printer maintenance. Its Color Assist tool matches spot colors, ensuring accurate prints of graphics such as company logos.

Learn more about the exciting potential of the HDPII for your financial institution.

Visit hidglobal.com/hdpii.



Custom security options Add an extra level of security not available on embossed cards: Print on HDP Film that's customized with your own holographic design. The HDPII turns white cards pre-imprinted with the card association brand mark and foil hologram into a huge variety of personalized financial cards.

Taking financial cards beyond financial institutions.

With the FARGO HDPII, financial card production is now practical and affordable for organizations beyond financial institutions:



Campus card programs: Yesterday's student photo ID is today's multi-function campus card. Colleges and universities partner with local financial institutions to combine

student IDs with debit cards that work on and off campus. They do everything from buy lunch to check out library books. Since campus cards are tied to the financial institution's payment systems, they have to be just as secure as any other financial card. The HDPII makes on-the-spot issuance of IDs fast and efficient. And the superb print quality of the HDPII means that students, faculty and staff can flash their school pride every time they use their cards.



Retail gift cards: There's no doubt that gift cards are a popular, fast-growing part of retail sales. The HDPII gives retailers

of all sizes a huge opportunity to offer an endless array of gift card designs, with customer personalization in image and text areas. Retailers can also quickly change gift card designs for different holidays and promotions.

Specifications Overview

(complete HDPII specs available at hidglobal.com/hdpii)

Print Method:	HDP Dye-Sublimation / Resin Thermal Transfer
Resolution:	300 dpi (11.8 dots/mm)
Colors:	Up to 16.7 million / 256 shades per pixel
Print Speed (batch mode):**	52 seconds per card / 69 cards per hour (YMCKl with transfer)*
Accepted Standard Card Sizes:	CR-80 (3.370" L x 2.125" W / 85.6 mm L x 54 mm W)
Accepted Card Thickness:	.030" (30 mil) to .050" (50 mil) / .762 mm to 1.27 mm
Input Card Cartridge Capacity:	100 cards (.030" / .762 mm)
Output Hopper Card Capacity:	200 cards (.030" / .762 mm)
Software Drivers:	Windows®: XP / Server 2003 / Vista (32 & 64 bit) / Server 2008 (32 & 64 bit) / 7 (32 & 64 bit)
Print Area:	Over-the-edge on CR-80 cards
Warranty:	<ul style="list-style-type: none"> • Printer - Two years • Printhead - Lifetime, unlimited pass
Encoding:	<ul style="list-style-type: none"> • Standard Magnetic Stripe Encoder - ISO 7811 (high and low coercivity) • Optional Contactless Smart Card Encoder - ISO 14443 (HID iCLASS® and MIFARE™), EMV level 1 • Optional Contact Smart Card Encoder - ISO 7816, EMV Level 1
Included Software	FARGO Workbench Diagnostic Utility with Color Assist spot-color matching

* Indicates the ribbon type and the number of ribbon panels printed where Y=Yellow, M=Magenta, C=Cyan, K=Resin Black, I=Inhibit

** 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 CPU, amount of RAM and the amount of available resources at the time of the print.

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