

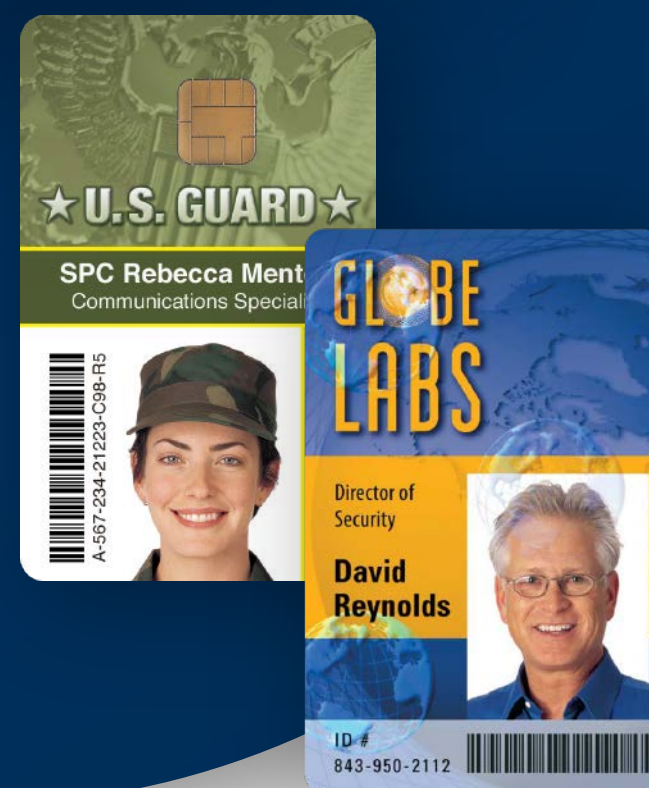
HDP5000e

HIGH-PERFORMANCE, ULTRA RELIABLE & SECURE RETRANSFER CARD PRINTING

FARGO® HDP5000e — where unparalleled reliability meets exceptional usability and performance — setting a new standard for the everyday retransfer card printing experience.



Create secure and vibrant credentials with ease



HID

PROVEN EXPERTISE YOU CAN TRUST

Built on seven generations of proven retransfer technology over the last 25 years, the FARGO HDP5000e ID card printer emerges as the next iteration of FARGO-branded, high definition printing solutions — redefining the standards of reliability, usability, security and printing excellence.

BUILT FOR PERFORMANCE

The HDP5000's advanced electronics platform ensures faster and more precise control over the printing process for vibrant, high-resolution images, while its enhanced memory ensures efficient processing for high-volume print jobs.

VERSITILE CARD APPLICATIONS

Add optional contact and/or contactless card encoding to access a variety of applications including:

- **Contactless door entry**
- **Cashless vending**
- **Time & attendance**
- **Logical access to computers/networks**

UNPARALLELED RELIABILITY

From its reinforced connection points and streamlined module attachment to its advanced card type selector, the HDP5000e was designed for dependability inside and out.



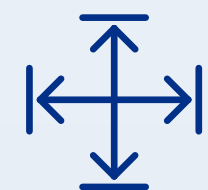
User Friendly

Beyond its robust feature set, the HDP5000e simplifies and streamlines operation with its user-friendly SmartScreen™ interface — providing easy-to-understand notifications and prompts for setup, maintenance and troubleshooting.



Secure

Inclusive resin scramble data protection hides any information with a resin panel, while AES-256 data encryption and optional locks provide additional peace of mind.



Highly Versatile

With both single- and dual-side printing available — along with optional lamination and an array of encoding options — the HDP5000e can be configured to meet virtually any need.

[Learn more at hidglobal.com/hdp5000e](https://hidglobal.com/hdp5000e)



HID® FARGO® HDP5000e

High Definition Printer/Encoder





FARGO HDP5000e

**Where Unparalleled Reliability Meets
Exceptional Usability and Performance.**

A HISTORY OF PROVEN EXPERTISE YOU CAN TRUST

FARGO introduced High Definition Printing (HDP®) in 1999, and we've been advancing the technology ever since. Built on seven generations of proven retransfer technology over the last 25 years, the FARGO HDP5000e ID card printer emerges as the next iteration of FARGO high definition printing solutions, redefining the standards of reliability, usability, security and printing excellence.

Offering superior-quality printing for every need — from sharp and vibrant photo ID cards to multifunctional, high-security applications — and virtually every budget, the FARGO HDP5000e delivers.

CUSTOMER-INSPIRED INNOVATION

Crafted through the meticulous cultivation of insightful feedback from our valued users, partners and internal stakeholders, the FARGO team has engineered a printer that not only maintains the exceptional quality of its HDP5000-series predecessors but adds new customer-inspired features, enhanced usability and performance gains.

UNPARALLELED RELIABILITY

The HDP5000e is exceptionally reliable, which means less overall maintenance and decreased printer downtime. From its reinforced connection points and streamlined module attachment to its advanced card type selector, the HDP5000e was designed for dependability inside and out. The printer's connectivity reinforcements strengthen and protect the USB, Ethernet and power cable connection points — increasing overall resilience and reducing the risk of main board damage or intermittent connectivity — and ensuring stable and reliable operation and data transfers.

The printer's streamlined module attachment ensures a smooth, unobstructed card path and helps eliminate common issues such as internal card jams and misalignment — while its advanced card selector and automatic settings adjustments help safeguard against delamination, card jams, and subsequent consumables and card waste.

For reliable, uninterrupted ID badge and card printing, reduced maintenance and consistent, stunning print quality — you can rely on the FARGO HDP5000e.

USABILITY ENHANCEMENTS AT EVERY TURN

Whether your card printer operators are seasoned IT professionals or novice users, solutions that are easy to set up, use and maintain over the long term will ensure your card program runs smoothly for years to come. Beyond its robust feature set, the HDP5000e simplifies and streamlines operation with its many usability enhancements. Its user-friendly and high-definition SmartScreen™ interface provides easy-to-understand notifications and helpful, walk-through prompts for setup, maintenance and troubleshooting — making it easily accessible to virtually all skill levels.

Thoughtfully designed, the HDP5000e provides hassle-free card path access as well as easy access to film and ribbon drawer assemblies without the need for tools. It also boasts a sleek and smooth, easy-to-clean exterior — sporting a professional, high-quality appearance while simplifying maintenance routines.

SECURITY FROM END TO END

Built-in security features help ensure the FARGO HDP5000e plays an integral role in the overall security of your card issuance program. Here's how:

- **Resin scramble data protection** — This unique feature 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.
- **AES 256 data encryption** — Encrypted print job data packets further protect sensitive cardholder data while in transit, guaranteeing data integrity and authentication to the final issuance endpoint

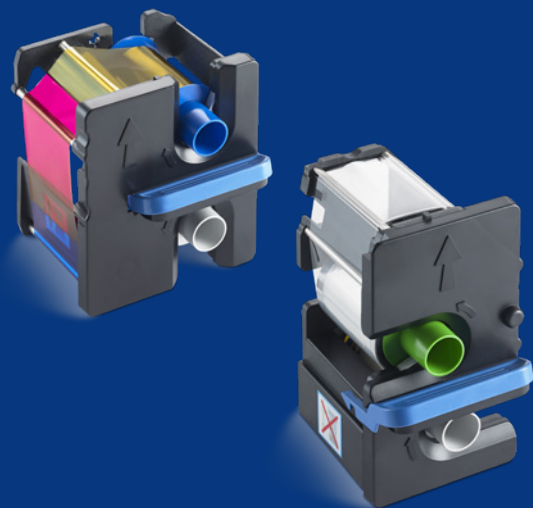
High Definition Printing

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 — ensuring flawless, sharp looking, finished credentials every time.



Consumables Convenience

Ribbons, HDP film and overlaminates literally load in a snap via the printer's convenient cartridge-based system — ensuring users can quickly and easily replenish consumables without impacting productivity.



HIGH-VOLUME PERFORMANCE

Designed to meet the higher-volume needs of medium-to-large corporations, universities, healthcare facilities and government agencies, the HDP5000e features increased card throughput over previous HDP5000-series models. At up to 133 per cards per hour, the HDP5000e is among the fastest printers in its class.

The HDP5000e's advanced electronics platform ensures faster and more precise control over the printing process, resulting in higher resolution and more vibrant images. The printer's enhanced memory and processing capabilities allow for more efficient handling of print jobs, especially in high-volume environments.

The HDP5000e is also equipped with an Ethernet port and internal print server making it ideal for networked operations. Due to its inherent portability and exceptional reliability, the printer is also a perfect fit for distributed issuance environments. Simply put, the HDP5000e is the solution of choice for countless scenarios.

A CLOUD-READY SOLUTION

Fully compatible with HID's cloud-based card issuance platform, HID FARGO Connect™, the HDP5000e empowers today's organizations to leverage the cloud to create superior-quality, multifunctional employee badges and other secure identity credentials — and issue them from anywhere.



ENHANCED COLOR PROFILE FOR SUPERIOR IMAGERY

Colors are vibrant. Images and text are crisp. An enhanced color profile ensures that ID cards printed on the FARGO HDP5000e card printer do more than protect your organization — they reflect the value you place on your brand. Its highly vivid imagery also aids in visual ID verification.

FLAWLESS CREDENTIALS

The FARGO HDP5000e is also right for organizations that demand more functionality from their ID cards. Encoding options can be configured to produce highly secure contact and contactless smart cards that address your specific needs. The HDP5000e can also print up to the very edge of smart chip contacts and virtually over the edge of each card, resulting in professional and polished credentials.

MULTIPASS FUNCTIONALITY FOR INCREASED DURABILITY

For increased durability, additional HDP film layers may be optionally applied with the printer's inclusive multipass* function — providing the enhanced protection that high-use IDs and cards demand.

A MODULAR SYSTEM THAT CAN GROW WITH YOUR NEEDS

The HDP 5000e offers the versatility to meet your card application needs today and in the future. With add-on dual-sided printing, encoding and lamination modules, the system's flexible architecture lets you expand or reduce production instantly.

For greater system capacity, an optional dual input card hopper lets you easily manage multiple card types and higher card volumes, expediting even the biggest production jobs. An optional 200-card input hopper is also available.

For one-step, inline printing and encoding, multiple, field-upgradable encoder options are also available.

Versatile Configurations to Meet Every Need



Single-side printer



Dual-side printer with dual input hopper



Dual-side printer



Dual-side printer with lamination

PERSONALIZE CARDS IN ONE SEAMLESS STEP

FARGO HDP5000e card encoding modules enable organizations to print and encode credentials in a one-step, inline process — saving both time and money. In a single step, the printer/encoder personalizes smart cards with text and color and reads/writes data from/to the card's smart chip. This inline processing speeds ID issuance and effectively eliminates the potential for manual data entry errors that occur in the common two-step card personalization and data encoding process.

Offering a wide array of inline card encoding technologies, the HID FARGO HDP5000e can meet the needs of virtually any secure credential issuance program. Furthermore, because modules are fully field-upgradeable, encoding can be added or changed at any time to support new card personalization or evolving security needs as your requirements change over time.

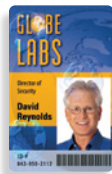


PRINT AND ENCODE MULTIFUNCTION CARDS FOR A VAREITY OF APPLICATIONS



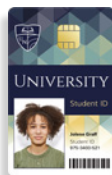
GOVERNMENT ID

Government agencies demand reliable and secure card issuance for an array of credentials spanning drivers' licenses, national IDs, employee and contractor badges and more. The HDP5000e is a versatile, easy-to-use and cost-effective printer/encoder for producing highly secure, durable, government-issued IDs — cards that are resistant to wear, tear and tampering. Optional Visual Security Elements (VSEs) provide added fraud and counterfeit deterrence.



CORPORATE ID

From medium-sized companies and large enterprises to healthcare campuses, the HDP5000e streamlines the issuance of multifunctional employee, contractor or visitor ID cards used for visual identification, access control, time and attendance, and payment functions.



STUDENT ID

Yesterday's student photo ID is today's multifunction campus One Card. A single card can be used for physical access to buildings, logical access to networks, library checkout and other services, as well as cashless and debit card transactions on and off campus. The HDP5000e makes on-the-spot issuance of these multifunctional student IDs fast and efficient.

LEVEL UP YOUR CARD PRINTING EXPERIENCE

Only one card printer offers 7th generation retransfer technology for every need — from sharp and vibrant photo ID cards to multifunctional, high security ID badge and card applications, the customer-inspired FARGO HDP5000e is the solution of choice for superior image quality, ease of use and printer reliability.



LEARN MORE TODAY

To learn more about the FARGO HDP5000e or to find a FARGO dealer or integrator near you, visit hidglobal.com.

SPECIFICATIONS OVERVIEW (COMPLETE HDP5000E SPECS AVAILABLE AT HIDGLOBAL.COM)

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):**	• Up to 27 seconds per card/ 133 cards per hour (YMCK* with transfer) • Up to 33 seconds per card/ 109 cards per hour (YMCKK* 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" / .762mm) – Optional dual input hopper or 200-card input hopper available for a total input capacity of 200 cards
Output Hopper Card Capacity:	200 cards (.030" / .762 mm)
Software Drivers:	Windows® 10 / 11 / Server 2016 / Server 2019 / Server 2022
Print Area:	Over-the-edge on CR-80 cards
Warranty:	Printer - Four years including one year of free printer loaner support with option to purchase a second year of printer loaner support (U.S. only) Printhead – Lifetime, unlimited card passes
Options:	• Dual-sided printing • Lamination module • Magnetic stripe encoder • Contact smart card encoder • Contactless smart card encoding modules • Single-wire Ethernet or USB 2.0 interface for inline printing and encoding (Note: single-wire Ethernet encoding is available with a third-party license) • 200-card input hopper • Dual input card hopper • Secure Proprietary Consumables • Printer Cleaning Kit
Included Software	FARGO Workbench™ diagnostic utility with Color Assist spot-color matching included with driver

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

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



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HID® FARGO® HDP5000e Consumables

HID PROVIDES A VARIETY OF CONSUMABLES AND ACCESSORIES TO OPTIMIZE THE PERFORMANCE OF YOUR HID FARGO HDP5000E PRINTER

- **HDP® Ribbons and HDP Film:** High Definition Printing (HDP) ribbons and HDP Film combine to produce durable and tamper-resistant cards with high-quality 300 dpi images
- **Overlaminates:** Applying an overlaminate to your cards significantly improves card durability and longevity; with an optional holographic design, overlaminates can also significantly increase card security. Overlaminates with standard or custom holograms create an ID card that is difficult to forge, yet easy to verify.
- **Cards:** Graphics-quality UltraCard™ non-technology cards feature polished, scratch- and debris-reduced surfaces to optimize the quality of your printed images
- **Cleaning Kits:** Printhead cleaning swabs, interior cleaning cards and interior/exterior cleaning pads facilitate optimal print quality and ensure your printer is clear of dust, debris and build-up that can degrade printer performance over time

HID FARGO Ribbon Consumables for the HID FARGO HDP5000e

** Part Number	Description and Yield	Application
084510	YMC* Full-color, 750 images	Photo-accurate color prints, visual recognition
084511	YMCK*: Full-color with resin black, 500 images	Photo-accurate color prints, visual recognition
084512	YMCKK*: Full-color with two resin black panels, 500 images	Photo-accurate, full color on front, black text and/or barcodes on back
084514	YMCFK*: Full-color with resin black and dye-based, fluorescing panels, 500 images	UV fluorescent ink panel can create a personalized layer of security only visible under UV light
084518	Premium Resin Black, K*, 3000 images	Bar codes, text, serial numbers, bold graphics

HID FARGO HDP Film Consumables for the HID FARGO HDP5000e

HDP Film is available in clear, standard holographic design or custom holographic design. Please inquire with your dealer, integrator, or HID Sales Associate for part number and additional information regarding custom holographic HDP Film orders.

084500	Clear HDP Film, approximately 1500 images	Clear, panelized film
084501	Standard Holographic HDP Film, 500 images	High resolution hologram with visual security elements

HID FARGO Thermal Transfer and PolyGuard™ Overlamine Consumables for the HID FARGO HDP5000e

Overlamine Options: Thermal Transfer Overlamine, .25 mil thick, 500 prints / PolyGuard Overlamine, 1.0 mil and .6 mil thick, 250 prints (PolyGuard available in a CR-80 patch size). All overlamines available in clear, standard holographic design or custom holographic design.

** Part Number	Description and Yield	Application
082615	Thermal Transfer Overlamine, Clear, 500 count	For use with Single-Side Lamination Module only
082618	Thermal Transfer Overlamine, High Secure Orbit design, Universal orientation, 500 count	Thermal Transfer Overlamine with visual security elements. For use with Single-Side Lamination Module only
082600	PolyGuard 0.6 mil Overlamine, Clear, 250 count	Durable Overlamine for use with cartridge 1 or 2***
082601	PolyGuard 1.0 mil Overlamine, Clear, 250 count	Durable Overlamine for use with cartridge 1 or 2***
082603	PolyGuard 0.6 mil Overlamine, High Secure Orbit design, Universal orientation, 250 count	Durable Overlamine with security elements – For use with cartridge 1 or 2***
082604	PolyGuard 1.0 mil Overlamine, High Secure Orbit design, Universal orientation, 250 count	Durable Overlamine with security elements – For use with cartridge 1 or 2***
082607	PolyGuard 0.6 mil Overlamine, half patch, Clear, 250 count	Durable Overlamine half patch for magnetic stripe side of card – For use with cartridge 2***
082608	PolyGuard 1.0 mil Overlamine, half patch, Clear, 250 count	Durable Overlamine half patch for magnetic stripe side of card – For use with cartridge 2***
082655	PolyGuard 1.0 mil Overlamine with left side cutout for large sized smart chip, Clear, 250 count	Durable Overlamine with left side cutout for large sized smart chip – For use with with HID Crescendo® and other contact chips requiring a larger cutout- For use with cartridge 1***

HID FARGO UltraCards

HDP5000e Accepted Card Size / Thickness / Construction: CR-80 / 30 mil - 50 mil / PET, PETG, polycarbonate. (Note: ABS and PVC cards are not recommended for use in the HDP5000e Lamination Module.) For best results, HID recommends FARGO UltraCards for use with your HDP5000e.

082136	UltraCard 30 mil cards – Premium Composite	FARGO Certified UltraCard Premium Composite Cards that offer enhanced card durability and best value – 1 box contains 500 cards
082289	UltraCard 30 mil cards - Polycarbonate	FARGO Certified UltraCard Polycarbonate Cards that are 100% polycarbonate construction and offer the longest card life – 1 box contains 500 cards

HID FARGO Cleaning Materials for the HID FARGO HDP5000e

HID recommends cleaning your FARGO HDP5000e printer every 2000 cards to ensure the best performance and to maintain long-term printer reliability.

096200	Cleaning Kit - Includes 4 Printhead Cleaning Swabs, 10 Cleaning Cards, 10 Cleaning Pads and 3 Alcohol Cleaning Cards
086004	Cleaning Rollers – 10 Pack
086131	Extra Cleaning Cards (double sided), 50 count
082133	Iso-Propyl Alcohol Cleaning Cards - 10 pack
081760	Extra Cleaning Cards, 50 count

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

** Part numbers may vary by region. Please contact your dealer, integrator, or HID Sales Associate for regional part numbers.

*** HDP5000e lamination modules utilize a cartridge system to load overlamine materials. A single-sided lamination module will utilize only cartridge 1, while a dual-sided simultaneous lamination module will utilize cartridges 1 and 2. The single-sided lamination module can be used for dual-sided lamination as long as the printer has a dualsided printing module attached. The dual-sided lamination module can be used for single or dual-sided lamination.

HID FARGO Replacement Printheads for the HID FARGO HDP5000e

096091	300 dpi Printhead Replacement Kit - Includes Replacement Printhead and complete Printhead assembly
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FARGO Card Printers require highly specialized media to function properly. To maximize printed card quality and durability, printhead life and Printer reliability, use only HID FARGO Consumables. HID warranties are void, where not prohibited by law, when non-HID Consumables are used.

FARGO® HDP5000e

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 Ribbon Options:	• Full-color, YMC* 750 prints • Full-color with resin black, YMCK*, 500 prints • Full-color with two resin black panels, YMCKK*, 500 prints	• Full-color with resin black and fluorescing panels, YMCKF*, 500 prints • Resin black, K*, 3000 prints
HDP Film Options:	• Clear (1,500 prints) • Standard Holographic (500 prints) • Contact HID regarding Custom Holographic Film options	
****Overlamine Options:	• Thermal Transfer Overlamine, .25 mil thick, 500 prints • PolyGuard® Overlamine, 1.0 mil and .6 mil thick, 250 prints (PolyGuard available in a CR-80 patch size) All overlaminates available in clear, standard holographic design or custom holographic design	
**Print Speed:	Batch Mode: • Up to 27 seconds per card / 133 cards per hour (YMCK with transfer)* • Up to 33 seconds per card / 109 cards per hour (YMCKK with transfer)* • Up to 33 seconds per card / 109 cards per hour (YMCK with transfer and dual-sided, simultaneous lamination)* • Up to 44 seconds per card / 82 cards per hour (YMCKK with transfer and dual-sided, simultaneous lamination)*	
Accepted Standard Card Sizes:	CR-80 (3.375"L x 2.125"W / 85.6mmL x 54mmW)	
Print Area:	Over-the-edge on CR-80 cards	
Accepted Card Thickness:	• Print only: .030" (30 mil) to .050" (50 mil) / .762mm to 1.27mm • Print/Lamination: .030" (30 mil) to .050" (50 mil) / .762mm to 1.27mm	
Accepted Card Types:	ABS, Laminated PVC, PET, PETG, proximity, smart and mag stripe cards Note: ABS and PVC cards are not recommended for use in the HDP5000e Lamination Module.***	
Input Card Cartridge Capacity:	100 cards (.030" / .762mm) – Optional dual input hopper or 200-card input hopper available for a total input capacity of 200 cards	
Output Hopper Card Capacity:	200 cards (.030" / .762mm)	
Card Cleaning:	Replaceable cleaning roller (included with each print ribbon)	
Display:	Graphical OLED	
Software Drivers:	Windows® 10 / 11 / Server 2016 / Server 2019 / Server 2022	
Single Wire USB 2.0 Encoding Options	• ISO Magnetic Stripe Encoding, dual high- and low-coercivity, Tracks 1, 2 and 3 • Contactless Smart Card Encoder (HID iCLASS® and MIFARE / DESFire) • ISO 7816 Contact Smart Card Encoder • Prox Card Reader (HID read-only)	
Supported Access Control Credential Programming	iCLASS® Standard / SE / SR / Seos, MIFARE Classic®, MIFARE / DESFire® EV1 / EV2, HID Prox (Also see the Card Encoding Modules for FARGO® Card Printers Datasheet for additional information)	
Interface:	USB 2.0 (high speed) and Ethernet with internal print server	
Operating Temperature:	65° to 90° F / 18° to 32° C	
Humidity:	20 - 80% non-condensing	
Dimensions:	• HDP5000e: 12"H x 16.5"W x 11"D / 30.5cmH x 41.9cmW x 27.9cmD • HDP5000e + Dual-Sided Module: 12"H x 22"W x 11"D / 30.5cmH x 55.9cmW x 27.9cmD • HDP5000e + Single-Sided Lam Module: 12.75"H x 25"W x 11"D / 32.4cmH x 63.5cmW x 27.9cmD • HDP5000e + Dual-Sided Module + Dual-Sided Lam Module: 12.75"H x 30"W x 11"D / 32.4cmH x 76.2cmW x 27.9cmD • Lam Module: 12.75"H x 12.25"W x 11"D / 32.4cmH x 31.1cmW x 27.9cmD	
Weight:	• HDP5000e: 18.7 lbs. / 8.5 kg • HDP5000e + Dual-Sided Module: 28.6 lbs. / 13 kg • HDP5000e + Single-Sided Lam Module: 31.7 lbs. / 14.4 kg • HDP5000e + Dual-Sided Module + Dual-Sided Lam Module: 39.6 lbs. / 18 kg	
Certifications:	UL, CE, FCC, IC, IFTL, KC, VCCI, MIC, NCC, WPC, BIS, ENACOM	
Supply Voltage:	100-240 VAC, 1.6A	
Supply Frequency:	50 Hz / 60 Hz	
Warranty:	• Printer - Four years including one year of free printer loaner support with option to purchase a second year of printer loaner support (U.S. only) • Printhead – Lifetime, unlimited card passes	
FARGO Secure Materials:	FARGO Card Printer/Encoders require highly specialized media to function properly. To maximize printed card quality and durability, printhead life and printer/encoder reliability, use only HID Secure Materials. HID warranties are void, where not prohibited by law, when non-HID Secure Materials are used.	
Options:	• Dual input card hopper module • Card lamination module – single-sided or dual-sided (simultaneous) • Magnetic stripe encoding • 200-card input hopper • Smart card encoding (contact/contactless) • Dual-sided printing • Printer cleaning kit • Secure proprietary consumables system • Custom secure holographic HDP Film and overlamine	
Software:	FARGO Workbench™ diagnostic utility with Color Assist spot-color matching included with driver	

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

** 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.

*** ABS and PVC cards are not recommended for use in the HDP5000e Lamination Module



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For more global phone numbers click here

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SPECIFICATIONS SHEET

Card Encoding Modules for FARGO® Card Printers

Simplified, inline personalization of secure credentials in a single step



HID FARGO printer card 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 their employees, contractors, vendors or students. Using inline card personalization, users 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, organizations can rest assured that their company-, employee- or student-specific data is included on each user's card, further extending the overall security of the card issuance program.

HID card encoding modules also extend the value of HID FARGO printers by allowing organizations to create cards that are compatible not only with HID products but also with other card/physical access control

systems and third-party applications. This technology-agnostic approach to card personalization offers organizations more flexibility in selecting access control systems and greater control over their credentials.

Select from a variety of card encoding module options to extend read/write capability for third-party applications such as physical access, time & attendance and cashless vending, among others. What's more, with the programmer card encoding module, users can create and program cards that are specifically compatible with HID physical access solutions. This can prove especially beneficial to organizations desiring to upgrade existing card populations for use with the higher security iCLASS SE platform.

Offering a wide array of inline card encoding modules, HID FARGO printers can meet the needs of virtually any secure credential issuance program. Further, because modules are fully field-upgradeable, encoding technologies can be added or changed at any time to support new card personalization or evolving security needs as your requirements change over time.



AVAILABLE ENCODING MODULES:

- **Contactless** — HID OMNIKEY® contactless encoders support a wide array of card types including iCLASS Seos®, HID Prox®, iCLASS SE® MIFARE Classic®, MIFARE® DESFire® EV1/EV2 and more
- **Contact** — Compatible with ISO 7816 standards and offering unparalleled support, HID's array of contact encoding options make contact encoding integration quick and easy
- **Magnetic Stripe** — Standard magnetic stripe encoding delivers ISO 7811, dual high- and low-coercivity compatibility
- **Programmer** — Utilizing the OMNIKEY 5127 iCLASS SE, programmer encoding affords users the ability to encode the HID Access Control Application area of either Genuine HID or third-party credentials with ease

CARD ENCODING MODULES PROVIDE:

- Flexible and easy-to-integrate encoding options for read/write capability
- Multi-interface support for Chip Card Interface Device (CCID) and USB — offering flexible integration options for a wide range of applications
- Field-upgradeable solutions that can support new card personalization and security needs as your requirements change over time



		HID ACCESS CONTROL APPLICATION AREA							THIRD PARTY APPLICATION AREA		
Printer Encoder	Description	Supported Card Types	Card Standards	Read Capability	Write Capability	Custom Key	Elite Key Support	Corporate 1000 Support	Read Capability	Write Capability	Custom Key
HID OMNIKEY 5125	Contactless	HID Prox		Yes	No	N/A	N/A	N/A	N/A	N/A	N/A
		EM Prox		Yes	No	N/A	N/A	N/A	N/A	N/A	N/A
		HID Indala® Prox		Yes	No	N/A	N/A	N/A	N/A	N/A	N/A
HID OMNIKEY 5122	Contact / Contactless	HID iCLASS	ISO 14443 B, ISO 15693	Yes	No	No	Yes	Yes	Yes	Yes	Yes
		HID MIFARE Classic	ISO 14443 A	No	No	No	N/A	N/A	Yes	Yes	Yes
		MIFARE Classic	ISO 14443 A	No	No	N/A	N/A	N/A	Yes	Yes	Yes
		MIFARE DESFire EV1/EV2	ISO 14443 A	No	No	N/A	N/A	N/A	Yes	Yes	Yes
		Contact smart cards	ISO 7816 Class A, AB and C	N/A	N/A	N/A	N/A	N/A	Yes	Yes	Yes
HID OMNIKEY 5127CK Mini	Contactless	HID iCLASS Seos	ISO 14443 A	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
		HID iCLASS SE (SIO Enabled)	ISO 14443 B, ISO 15693	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
		HID iCLASS SR (Standard + SIO)	ISO 14443 B, ISO 15693	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
HID OMNIKEY 5127 iCLASS SE Encoder	Programmer	HID iCLASS Seos	ISO 14443 A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		HID iCLASS SE (SIO Enabled)	ISO 14443 B, ISO 15693	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		HID iCLASS SR (Standard + SIO)	ISO 14443 B, ISO 15693	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		HID iCLASS (Standard)	ISO 14443 B, ISO 15693	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		HID MIFARE Classic	ISO 14443 A	Yes	Yes	N/A	N/A	Yes	Yes	Yes	Yes
		MIFARE Classic	ISO 14443 A	N/A	N/A	N/A	N/A	N/A	Yes	Yes	Yes
		SIO Solution for MIFARE Classic	ISO 14443 A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		MIFARE DESFire EV1/EV2	ISO 14443 A	N/A	N/A	N/A	N/A	N/A	Yes	Yes	Yes
		SIO Solution for MIFARE DESFire EV1/EV2	ISO 14443 A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		HID Indala Prox		No	No	N/A	N/A	N/A	N/A	N/A	N/A
		EM Prox		No	No	N/A	N/A	N/A	N/A	N/A	N/A
		HID Prox		Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A



	Magnetic Encoding	Contactless (5127CK Mini)	Contact (5122)	Programmer (5127 iCLASS SE)
FARGO HDP6600 / HDP5000e Encoder Options	Dual-sided printers only	Single or dual-sided printer	Dual-sided printers only	Single or dual-sided printer
COMBINED WITH THE FOLLOWING				
Contactless (5127CK Mini)	Dual-sided printers only	N/A	Dual-sided printers only	Configuration not offered
Contact (5122)	Dual-sided printers only		N/A	Configuration not offered
Programmer (iCLASS SE 5127)	Configuration not offered			N/A

	Magnetic Encoding	Contactless (5122)	Contactless (5125)	Contactless (5127CK Mini)	5122 with Contact Station	Programmer (5127 iCLASS SE)
FARGO HDP5000 Encoder Options	Single or dual-sided printer	Single or dual-sided printer	Single or dual-sided printer	Dual-sided printers only	Dual-sided printers only	Single or dual-sided printer
COMBINED WITH THE FOLLOWING						
Contactless (5122)	Single or dual-sided printer	N/A	Configuration not offered	Configuration not offered		
Contactless (5125)	Single or dual-sided printer	Dual-sided printers only	N/A	Configuration not offered		
5122 with Contact Station	Dual-sided printers only	Configuration not offered		Configuration not offered	N/A	Configuration not offered
Programmer (iCLASS SE 5127)	Single or dual-sided printer	Configuration not offered				N/A

	Magnetic Encoding	Contact and Contactless (5121, 5125)	Programmer (5127 iCLASS SE)
FARGO DTC5500LMX Encoder Options	1 or 2 Material	1 or 2 Material	1 or 2 Material
COMBINED WITH THE FOLLOWING			
Contactless and Contact Station (5121, 5125)	1 or 2 Material	N/A	Configuration not offered
Programmer (iCLASS SE 5127)	1 or 2 Material	Configuration not offered	N/A

	Magnetic Encoding	Contactless (5122)	Contactless (5125)	Contactless (5127CK Mini)	Contact Station Only	Programmer (5127 iCLASS SE)
FARGO DTC1250e/DTC1500/ DTC4250e/ DTC4500e Encoder Options	Single or dual-sided printers (All included in factory-ordered product) (Sell separately for field upgrade)					Single or dual-sided printer
	COMBINED WITH THE FOLLOWING					
Contactless (5122)	Single or dual-sided printer	N/A	Configuration not offered			
Contactless (5125)	Single or dual-sided printer		N/A		Configuration not offered	
Contact Station Only	Single or dual-sided printer				Configuration not offered	
Programmer (iCLASS SE 5127)	Single or dual-sided printer	Configuration not offered				N/A



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