HID® FARGO® HDP6600

High Definition Printer/Encoder

The new customer demanded standard in retransfer printing.

EVERYTHING YOU WANT IN A RETRANSFER PRINTER

Built on six generations of proven retransfer technology over the last 20+ years, the new HID® FARGO® HDP6600 from HID Global® combines innovative, never-seen-before features and patent-pending iON™ technology with unprecedented print speeds — making it the most advanced, efficient and fastest desktop-based retransfer printer available on the market today.

FASTER IS BETTER

Only the HDP6600 produces high definition cards and IDs at a rate of up to 230 cards per hour and features HID Global's innovative iON technology for image transfer and lamination — an industry first. Patent-pending iON or "instant on" technology rapidly heats the transfer roller and optional laminator allowing the unit to reach optimal operating temperature in just seconds, expediting the entire retransfer printing and lamination processes. Other lamination products can take up to five minutes to initially heat up. With the HDP6600, the unit is ready to produce high-quality cards and IDs in under 60 seconds — virtually eliminating that all-too-familiar long wait for the first card. For laminated cards, this can mean your first card is ready up to 80 percent faster than with other products and can save you up to 20 hours in wait time per year on average.

HIGH-VOLUME PERFORMANCE

Designed to meet the high-volume needs of medium-to-large corporations, universities, healthcare facilities, government agencies and service bureaus, the HDP6600 includes support for high-yield, full-color ribbon and laminate consumables — keeping costs at a minimum while maximizing productivity.

SECURITY FROM END-TO-END

Equipped with several security features and offering an option to add physical locks, the HID FARGO HDP6600 plays an integral role in the overall security of your card issuance program.

- **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.
- **Password protection —** User-defined passwords lock down access to the printer and sensitive cardholder data, ensuring that unauthorized personnel cannot utilize the printer to print fraudulent cards
- **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
- **Optional physical locks for card hoppers and consumables access —** Prevents unauthorized users from accessing cards and/or other consumables thus thwarting the ability to create counterfeit cards

Create professional, polished credentials.

SHARPER, CRISPER IMAGES AND TEXT WITH 600 DPI

Colors are vibrant. Images and text are crisp. Quality is second to none. ID cards printed on the HID FARGO HDP6600 card printer/encoder do more than protect your organization — they reflect the value you place on your brand. The HDP6600 produces ID cards with the highest image and text quality available, making it a smart choice for any organization whose brand image is paramount. Not only are colors more brilliant and images sharper, but the high quality, 600 dpi resin printing capabilities of the HDP6600 give you the ability to precisely print small text, complex characters and crisply defined barcodes like never before.

FLAWLESS CREDENTIALS

The HID FARGO HDP6600 is also right for organizations that demand more functionality from their ID cards. Encoding options allow configuration of the HDP6600 to produce highly secure contact and contactless smart cards that address your specific needs. The HDP6600 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. The optional card flattener ensures a smooth and level finished card every time.

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.

High Definition Printing

HDP® in 600 dpi 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.

Produce highly durable cards and IDs.

WASTELESS LAMINATION FOR HIGHLY DURABLE CARDS AT A FRACTION OF THE COST

The HDP6600 utilizes HID Global's innovative wasteless lamination technology, eliminating the need for the standard carrier film and take-up core that comprise most lamination consumables on the market today. As such, the HDP6600 helps significantly reduce consumables waste and can reduce high-volume laminate materials costs by as much as 40 percent. Beyond decreased waste and consumables cost savings, wasteless PolyGuard™ LMX overlaminates extend the life of your cards with a 99.5 percent card coverage — the largest in the industry — inherently providing the highest level of card coverage protection available.

FLEXIBLE ONE- OR TWO-MATERIAL LAMINATE CONFIGURATIONS

The HDP6600 offers one- or two-material configurations to best fit your lamination needs. When only a single lamination material is desired for either the front or both the front and back of your cards, the single laminate material configuration may be utilized. For example, a corporate employee ID may only require a clear laminate patch on both the front and back of the card for enhanced durability.

A dual-side, two-material option is also available for jobs that require different lamination materials on either side of the card. This is especially useful for multipurpose credentials. For instance, government offices, universities and other organizations may opt for a custom, holographic laminate on the front of their multiuse smart cards for added security. Simultaneously, these organizations may want to utilize only a half-patch laminate on the back of the card to protect card elements such as barcodes — or for the purpose of leaving a magnetic stripe unencumbered for cashless vending, transit, physical access to buildings or access to other applications.

PolyGuard LMX wasteless overlaminates can reduce high volume laminate materials costs by as much as 40%.

Enjoy the benefits of energy efficiency and flexible modularity.

ENERGY-EFFICIENT AND EARTH-FRIENDLY

The HDP6600 is an eco-friendly, energy-efficient solution that supports corporate green initiatives and helps organizations reduce costs. Not only does the HDP6600 considerably reduce consumables waste with innovative wasteless lamination technology, but the printer has also been GreenCircle® Certified for its energy conservation attributes. Its industry-leading iON technology with intelligent temperature control ensures that the retransfer and lamination rollers are only on and consuming energy while in operation. This provides unmatched energy efficiency and translates to significant energy savings for larger projects.

A MODULAR SYSTEM THAT CAN GROW WITH YOUR NEEDS

The HDP6600 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.

The HDP6600 also includes an impressive 1GB of memory and a comprehensive set of integration tools, making it easy to use and maintain with only minimal training. Moreover, because the HDP6600 easily integrates with other products within the HID Global portfolio, you can leverage your existing Genuine HID Technology™ investments.

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

The optional dual input card hopper increases the printer's card input capacity and allows for easier management of multiple card types. Users can easily switch between card types without having to unload and reload cards — allowing for continuous, uninterrupted productivity.

Dual-sided printer/encoder

Dual-sided printer/encoder with optional lamination

Personalize cards and IDs in one seamless step.

SIMPLIFIED, INLINE PERSONALIZATION OF SECURE CREDENTIALS IN A SINGLE STEP

HID FARGO HDP6600 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 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 HDP6600 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.

A WIDE VARIETY OF OPTIONS TO MEET A WIDE VARIETY OF NEEDS

Select any FARGO HDP6600 card encoding module option to extend read/write capability for third-party applications such as physical access, time and attendance, and cashless vending, among others. What's more, with the FARGO HDP6600 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 technologies, the HID FARGO HDP6600 can meet the needs of virtually any secure credential issuance program. Furthermore, because modules are fully field-upgradeable, FARGO HDP6600 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 variety of applications.

GOVERNMENT ID CARDS

Whether for driver's licenses, national IDs, or employee and contractor badges, government agencies demand reliable and secure card issuance. The HDP6600 is a versatile, easy-to-use and cost-effective printer/encoder for producing highly secure, durable government IDs. Its high definition printing capabilities produce cards that are resistant to wear, tear and tampering. Optional Visual Security Solutions™ materials provide added fraud and counterfeit deterrence.

CORPORATE ID BADGES

From large corporations to small businesses, the HDP6600 is streamlining issuance of multifunctional employee ID cards used for visual identification, time and attendance, access control and payment functions. In a single-step, inline process, the printer personalizes smart cards with text and color and writes pre-programmed access data to the card. The printer's inline processing saves time, speeds ID issuance and effectively reduces data entry errors that occur in the common two-step card personalization and data encoding process. The HDP6600 is also workplace-friendly and engineered to keep noise levels at a minimum when printing intermittently within a quiet office environment.

MULTIFUNCTION STUDENT ID CARDS

Yesterday's student photo ID is today's multifunction card on school and college campuses around the world. 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 HDP6600 makes on-the-spot issuance of these multifunctional student IDs fast and efficient. For IDs that experience significant wear and tear, robust, secure and tamper-resistant high definition printing technology is the right choice.

Fast, innovative and feature-rich, the HID FARGO HDP6600 sets the new customer demanded standard in retransfer printing. To find an HID Advantage Partner or integrator near you, visit hidglobal.com.

SPECIFICATIONS OVERVIEW (COMPLETE HDP6600 SPECS AVAILABLE AT HIDGLOBAL.COM)	
Print Method:	HDP Dye-Sublimation / Resin Thermal Transfer
Resolution:	600 dpi (23.6 dots/mm)
Colors:	Up to 16.7 million / 256 shades per pixel
Print Speed (batch mode):**	• Up to 230 cards per hour / 16 seconds per card (YMCK* with transfer) • Up to 126 cards per hour / 29 seconds per card (YMCKK* with transfer)
Accepted Standard Card Sizes:	CR-80 (3.375″ L x 2.125″ W / 85.6 mm L x 54 mm W)
Accepted Card Thickness:	.030″ (30 mil) to .040″ (40 mil) / .762 mm to 1.01 mm
Input Card Cartridge Capacity:	100 cards (.030″ / .762 mm)
Output Hopper Card Capacity:	200 cards (.030″ / .762 mm)
Software Drivers:	Windows® 11 / 10 / 8.1 / 8 / 7 / Server 2019 / Server 2016 / Server 2012 / Server 2012 R2 / Server 2008 / Server 2008 R2
Print Area:	Over-the-edge on CR-80 cards
Warranty:	• Printer – Three 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 • Wasteless LMX card lamination module (one-material and two-material configurations available) • Magnetic stripe encoder • Contact smart card encoder • Contactless smart card encoding modules • Card flattener • 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 • Physical locks for card hoppers and consumables access • Secure Proprietary Consumables System • Printer cleaning kit
Included Software	FARGO diagnostic utility with Color Assist spot-color matching included with printer 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.

***Three-year warranty available on printers and lifetime warranty available on printheads with completion of online printer registration. (Two-year warranty standard on both printer and printheads without online printer registration.)

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