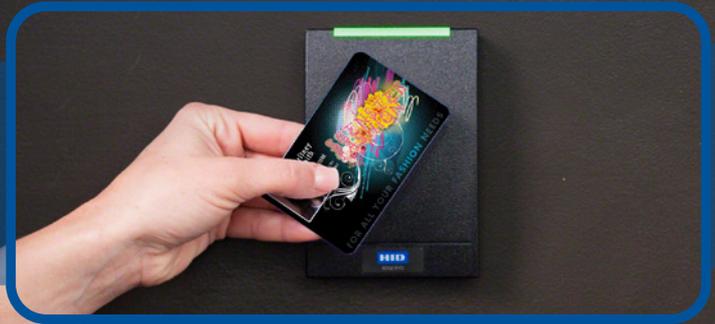# Printing & Encoding Solutions

FARGO® HDP5600
High Definition Printer/Encoder

HID®

Take high definition cards to the next level with the precision print quality of the FARGO® HDP5600

High Definition Printing™

HDP® in 600 dpi delivers the highest image quality layered on the highest functioning cards. HDP film is fused to the surfaces of proximity or smart cards, conforming to ridges and indentations formed by the embedded electronics inside the card. As a result, images and text printed on the card are crisper and more vibrant.

Dual-sided printer/encoder

Lamination and dual card input hopper options

A flexible, modular system that can grow with your needs. The HDP5600 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-card input hopper lets you easily manage multiple card types and higher card volumes, expediting even the biggest production jobs. And for one-step, inline printing and encoding, HID Global offers multiple, field-upgradable encoder options. It's also the most efficient with improvements at every level, including 64MB memory and a comprehensive set of integration tools, making it easy to use and easy to maintain with only minimal training. Finally, because the HDP5600 easily integrates with other products within the HID Global portfolio, you can leverage your existing Genuine HID Technology™ investments.

Sharper, crisper images and text for any organization.

Colors are vibrant. Images and text are crisp. Quality is second to none. ID cards printed on the FARGO® HDP5600 card printer/encoder do more than protect your organization — they reflect the value you place on your brand. The HDP5600 produces ID cards with the highest image and text quality available, making it a smart choice for retail stores, recreation facilities, and 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 HDP5600 give you the ability to precisely print small text and crisply defined barcodes like never before. The HDP5600 also includes a built-in Workbench™ diagnostic utility and Color Assist™ tool to help your organization better match spot colors on company logos and service marks. Leveraging the 600 dpi option, the printer can even accurately reproduce complex characters, such as Kanji, Arabic and Cyrillic.

It's also right for organizations that demand more functionality from their ID cards. Government agencies, healthcare facilities, businesses and corporations, loyalty and membership programs, and colleges and universities are all expanding their use of multi-function smart cards. Encoding options allow configuration of the HDP5600 to produce highly secure contact and contactless smart cards that address your specific needs. And print quality is never sacrificed: because these precise images and text are printed onto high-definition film, instead of the directly to the card, the often uneven surface of technology cards won't compromise image quality. The HDP5600 can also print up to the very edge of smart chip contacts and virtually over the edge of each card so images are always sharp.

The printer's Wi-Fi® capabilities also allow you to produce high definition IDs anytime, anywhere. A retail chain, for example, can distribute card issuance over a network to any location. On a corporate campus or university, an array of printer/encoders can be set up in a central location for high-volume production. The printer's Ethernet port and internal print server provide the connectivity needed for virtually any networked operation.

Proven fifth-generation HDP® technology and reliability.

HID Global introduced high definition printing (HDP) in 1999, and we've been perfecting the technology ever since. The HDP5600 reflects our commitment to customer-inspired innovation and the evolution of our family of High Definition Printing solutions. Reliable and robust, HID Global's fifth-generation HDP5600 card printer/encoder offers the print quality your organization can count on and the technology advancements you want. What's more, fifth-generation reliability means more peace of mind and less printer downtime -- and because the printhead never comes in contact with card surfaces or debris, it's never damaged in the printing process. In fact, it carries a lifetime warranty.

High quality meets affordability.

The HDP5600 is one of the most economically priced reverse transfer printers on the market today and offers the most affordable 600 dpi solution available, making the HDP5600 an ideal solution for a broad range of organizations. In addition, half-panel ribbons are available to use in your HDP5600 printer, further reducing your cost per image by as much as 30 percent.

For increased protection, highly durable HDP film is optional and provides even greater abrasion resistance. Using new and advanced materials, this HDP film is three times more durable than standard re-transfer films and can extend traditional card life by two to four years – all without requiring additional investments in separate lamination hardware and protective card overlaminates. By forgoing these additional products, organizations can reduce the cost of card personalization equipment by up to 45 percent and materials by 25 percent or more.

Only with the HDP5600 are you ensured the broadest options for keeping cost-per-card at a minimum, lowering your total cost of ownership.

Greater card security and durability.

Cards produced by high definition printing solutions are more secure and durable than other types of cards. They are inherently tamper-evident — if a counterfeiter tries to peel apart the layers, the image essentially destroys itself. They also resist wear and tear by putting a durable layer of HDP film between the card image and the outside world.

For enhanced durability and security, the highly versatile HDP5600 also provides the ability to add a holographic overlaminate or holographic HDP film to the front of an ID card. An overlaminate on both sides doubles the protection – and the HDP5600 laminates both sides of a card simultaneously in one efficient pass.

Take card printing to the next level.

Only one card printer offers 5th generation retransfer technology for every need – from sharp and vibrant photo ID cards to multi-functional, high-security applications, the HDP5600 delivers on the promise of ultimate image quality and printer reliability, all at an affordable price point. To find a HID Advantage Partner or integrator near you, visit **hidglobal.com.**

The next generation of smart card applications.

With the HDP5600, you can print in high definition and encode multifunction cards for a variety of applications:

Government IDs

Whether it is for drivers' licenses, national IDs, or employee and contractor badges, government agencies demand reliable and secure card issuance. The HDP5600 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 IDs

From large corporations to small businesses, the HDP5600 is streamlining issuance of multi-functional 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 card 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.

Student IDs

Yesterday's student photo ID is today's multi-function 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 HDP5600 makes on-the-spot issuance of these multi-functional student IDs fast and efficient. For IDs that experience a lot of wear and tear, robust, secure and tamper-resistant high definition printing technology is the right choice.

Specifications Overview (complete HDP5600 specs available at hidglobal.com)

Print Method:	HDP Dye-Sublimation / Resin Thermal Transfer
Resolution:	600 dpi (23.6 dots/mm) or 300 dpi (11.8 dots/mm)
Colors:	Up to 16.7 million / 256 shades per pixel
Print Speed (batch mode):**	• up to 24 seconds per card / 150 cards per hour (YMC* with transfer)** • up to 29 seconds per card / 124 cards per hour (YMCK* with transfer)** • up to 40 seconds per card / 90 cards per hour (YMCKK* with transfer)** • up to 35 seconds per card / 102 cards per hour (YMCK* with transfer and dual-sided, simultaneous lamination)** • up to 48 seconds per card / 75 cards per hour (YMCKK* with transfer and dual-sided, simultaneous lamination)**
Accepted Standard Card Sizes:	CR-80 (3.375˝ L x 2.125˝ W / 85.6 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 10 / 8 / 7 / Vista / XP / Server 2012 / Server 2012 R2 / Server 2008 / Server 2008 R2 / Server 2003 R2 / Server 2003 R1, Mac OS X v10.10 / v10.9 / v10.8 / v10.7 / v10.6 and Linux***
Print Area:	Over-the-edge on CR-80 cards
Warranty:	• Printer - Three years including one year of free printer loaner support (U.S. only); optional Extended Warranty Program (U.S. only)
Options:	• Dual card input hopper • Card lamination module – single-sided or dual-sided (simultaneous) • Smart card encoding (contact/contactless) • Dual-sided printing • Physical locks for card hoppers and consumables access • Printer cleaning kit • Magnetic stripe encoding • 200-card input hopper • Secure Proprietary Consumables System • Custom Secure Holographic HDP Film and Overlaminate • Wi-Fi® Module
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, F=Fluorescing, H=Heat Seal.
** 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, print resolution, the CPU, amount of RAM and the amount of available resources at the time of the print.
*** Linux driver support availability expected Q1 2016. Linux versions: Ubuntu 10.04 / 12.04 / 14.04, Debian 6 / 7 / 8, Fedora 20 / 21 / 22, openSUSE 13.1 / 13.2

2015-12-30-fargo-hdp5600-printer-br-en   PLT-02703

An ASSA ABLOY Group brand

ASSA ABLOY

hidglobal.com