NEW!

THE NEXT GENERATION | OF FARGO INNOVATION

HDP600

HIGH DEFINITION CARD PRINTER/ENCODER

The printer/encoder of choice for government, corporate and other high-security card applications.

FARGO®

The World's Most Secure
Card Identity Systems

FARGO®

HDP600

HIGH DEFINITION CARD PRINTER/ENCODER

High-Security Cards Demand

When it comes to printing, encoding and laminating

There's simply no better way to produce high-security cards with embedded electronics.

Today's security-conscious organizations demand cards with superior intelligence and functionality. However, the embedded electronics that make these high-security cards robust also cause irregularities on their surfaces — making them hard to print.

With Fargo's HDP600 High Definition Card Printer/Encoder, high-security cards are no longer hard to print. Featuring our patented High Definition Printing™ (HDP®) technology, the HDP600 is the only card printer/encoder that can consistently and perfectly print, encode and laminate technology-rich ID cards, such as:

- CONTACT SMART CARDS
- CONTACTLESS SMART CARDS
- PROXIMITY CARDS
- RFID CARDS
- WIEGAND CARDS
- OPTICAL MEMORY CARDS

Don't compromise when your security is at stake.

With traditional dye-sublimation printers, the printhead comes in contact with the card it's printing. Unfortunately, this means these printers can't consistently print on the ridges and indentations caused by internal RFID antenna, integrated circuits and smart chips. Even worse, the card's electronics can get damaged by, or damage, the printhead.

With High Definition Printing, however, there's never any contact between the printhead and card. Instead, the HDP600 prints images onto the underside of the HDP Film, which is then fused flush to the card through heat and pressure. Now you can consistently print over surface irregularities — even to the edge of a smart chip — without damaging the card's electronics or your printhead.

The only choice for high-security card applications. *The HDP600 prints and encodes/reads up to three different technologies (including contact smart cards, contactless smart cards and proximity cards), plus a magnetic stripe all within a single card.*

Fargo's High Definition printer/encoders can easily print to the edge of a smart chip.

Traditional dye-sub printers cannot.

Save time (and more!) by printing and encoding all in one pass.

Printing and encoding cards in more than one pass puts you at risk. If cards aren't rerun in the proper order, vital information could get encoded on the wrong card. The HDP600 eliminates that worry by letting you print and encode high-security cards in one pass.

Add lamination for an extra layer of protection.

Want your cards to have the ultimate in security? Then add a lamination module to your HDP600. Our patented clear and holographic PolyGuard™ Overlaminates provide the maximum protection from tampering, counterfeiting and everyday wear and tear. They can also save you money by reducing the need to issue replacement cards.

Make your budget go farther with our *next-generation* modular design.

It's difficult to know what type of card functionality you might need in the future. That's why Fargo lets you add encoding and laminating modules to your HDP600 at any time. Order an HDP600 custom fit to your needs today (i.e., mag stripe encoding only). Then, rest easy knowing you can add a proximity card encoder, smart card encoder or lamination module tomorrow.

Sophisticated? Yes. Complicated? No.

Thanks to Fargo's advanced engineering, the HDP600 isn't just highly capable, it also sets new standards for user-friendliness and reliability. That's why it's the most dependable choice for security-conscious organizations like yours.

Contact an authorized Fargo integrator today about the HDP600 High Definition Card Printer/Encoder.

High Definition Printing!

cards with embedded electronics, nothing outperforms the Fargo HDP600.

Increase the security and durability of your cards.
Our optional lamination module lets you add a clear or holographic PolyGuard Overlaminate to your cards for unsurpassed protection.

Stop struggling with temperamental ribbons.
Fargo's color-coded ribbons are easy and intuitive to install.

Never run out of ribbon or cards mid-job again.
Our SmartScreen™ LCD tells you what buttons to press, when to load supplies and keeps you up to speed on your print job.

Complete jobs faster.
The Dual Card Hopper lets you load up to 200 identical cards, or print and encode two different types of cards simultaneously.

Take the guesswork out of printing cards.
The HDP600 automatically routes defective cards into this handy Reject Card Hopper (available only with lamination module).

Increase productivity and decrease errors.
Save time and avoid mistakes by printing and encoding your cards in one easy pass.

Get the best quality cards possible.
Fargo's High Definition Printing technology is the only technology that can consistently and perfectly print and encode high-security cards with embedded electronics.

Make your budget go farther.
Only Fargo gives you the option of adding encoding or laminating modules to your printer as your needs grow.

Save money and waste fewer cards.
A Tape-based Card Cleaning System removes dust and debris from cards, improving quality and reducing card waste.

Why do governments, corporations and other security-conscious organizations depend on High Definition Printing?

IT'S RELIABLE – Only Fargo's High Definition Printing technology prints consistently and perfectly on cards with embedded electronics.

IT'S SECURE – High Definition Printing technology helps prevent card tampering and security breaches.

IT'S SMART – You can increase productivity and decrease errors by printing, encoding and laminating cards all in one pass.

IT'S COST-EFFECTIVE – Add lamination or encoding modules to your HDP600, instead of having to purchase a new printer.

IT'S USER-FRIENDLY – Color-coded ribbons and a SmartScreen LCD help make producing high-security cards easier than ever.

IT'S COMPATIBLE – The HDP600 easily integrates with existing time & attendance, access control and other photo ID applications.

HDP600

HIGH DEFINITION CARD PRINTER/ENCODER

High-Security Cards Demand High Definition Printing!

GOVERNMENT

There's simply no better way to produce high-security cards with embedded electronics.

- Contact Smart Cards
- MIFARE® Contactless Cards
- HID® *iCLASS*™ Contactless Cards
- Proximity Cards
- Magnetic Stripe Cards
- Wiegand Cards
- Optical Memory Cards
- Bar Codes
- and more

MILITARY

CORPORATE

Talk to your authorized Fargo integrator about why the HDP600 is the printer/encoder of choice for government, corporate and other high-security card applications.

Maximize the performance of your Fargo Card Identity System. Ask your authorized Fargo integrator about:

FARGO SECURE

- Software
- Materials
- Extended Warranties
- On-call Express
- Visual Security™ Solutions

Specifications

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*, 700 prints • Full-color with resin black, YMCK*, 500 prints • Full-color with two resin black panels, YMCKK*, 400 prints • Full-color with resin black and heat seal panel for difficult-to-print surfaces, YMCKH*, 400 prints All HDP ribbons utilize Fargo's exclusive RibbonTraq™ system for maximum print quality, performance, reliability and ease of use.
HDP Film Options:	• Clear (1,250 prints) • Standard Holographic • Custom Holographic, special order
Overlaminate Options:	• Thermal Transfer Overlaminate, .25 mil thick • PolyGuard Overlaminate, 1.0 mil and .6 mil thick All overlaminates available in clear, holographic globe design or custom holographic design. PolyGuard available in a CR-80 patch size.
Print Speed:	• 44 seconds per card / 82 cards per hour (YMC with transfer)* • 54 seconds per card / 66 cards per hour (YMCK with transfer)* • 79 seconds per card / 45 cards per hour (YMCKK with transfer)* • 55 seconds per card / 65 cards per hour (YMCK/lamination)* • 80 seconds per card / 45 cards per hour (YMCKK/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 .070" (70 mil) / .762mm to 1.778mm Print/Lamination: .030" (30 mil) to .040" (40 mil) / .762mm to 1.02mm
Accepted Card Types:	ABS, PVC, PET, PETG, proximity, smart and mag stripe cards, optical memory cards
Input Hopper Card Capacity:	200 cards (.030" / .762mm)
Output Hopper Card Capacity:	100 cards (.030" / .762mm)
Memory:	8MB RAM
Display:	User-friendly, SmartScreen LCD Control Panel; LED Display on Card Lamination Module
Software Drivers:	Windows® 2000/XP
Encoding Options:	• ISO Magnetic Stripe Encoding Module, dual high- and low-coercivity, Tracks 1, 2, and 3 • JIS II Magnetic Stripe Encoding Module • E-Card Docking Station (required for all e-card options or 3rd party smart card encoding) • Contactless Smart Card Encoder (HID *iCLASS* and MIFARE) • Contact Smart Card Encoder reads from and writes to all ISO7816-1/2/3/4 memory and microprocessor smart cards (T=0, T=1) as well as synchronous cards • Prox Card Encoder (HID read-only)
Interface:	USB 1.1 (Optional Centronics Parallel, IEEE 1284 compliant)
Operating Temperature:	65° to 80° F / 18° to 27° C
Humidity:	20-80% non-condensing
Dimensions:	Printer: 13"H x 22.5"W x 10.75"D / 330mmH x 570mmW x 275mmD Printer + Lam: 13"H x 35"W x 10.75"D / 330mmH x 890mmW x 275mmD Lam Module: 10"H x 12.5"W x 10.25"D / 255mmH x 318mmW x 260mmD
Weight:	HDP600: 39 lbs. / 17.7 kg HDP600 + Lam: 58 lbs. / 26.4 kg Lam Module: 19 lbs. / 8.7 kg
Agency Listings:	Safety: UL 60950, CSA C2.2 No. 60950, CB report (EN 60950), CE mark Emissions: FCC Part15 Class B, EN 55022: 1998 Class B, CRC c1374, ITS EMC mark, EN 61000-3-2: 2000, EN 61000-3-2: 1995, EN 55024: 1998, CE mark
Supply Voltage:	100-240 VAC, 4.25A
Supply Frequency:	50 Hz / 60 Hz
Warranty:	Printer – One year; optional Extended Warranty Program (U.S. only) Printhead – Lifetime; unlimited pass with Fargo Certified Cards
Fargo Certified Supplies:	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 Fargo Certified Supplies. Fargo warranties are void, where not prohibited by law, when non-Fargo Certified Supplies are used.
Options:	• Printer Cleaning Kit • External Print Server (Windows only; parallel port only; required for stand-alone networking of printer/encoders) • Card Lamination Module • Card Encoding Module

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

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