



The world's leading print quality and encoding technology in one easy pass.

Professional Series

HDP820

High Definition Printer/Encoder

FARGO®

Card Personalization Systems

HDP820 Revolutionary print quality and

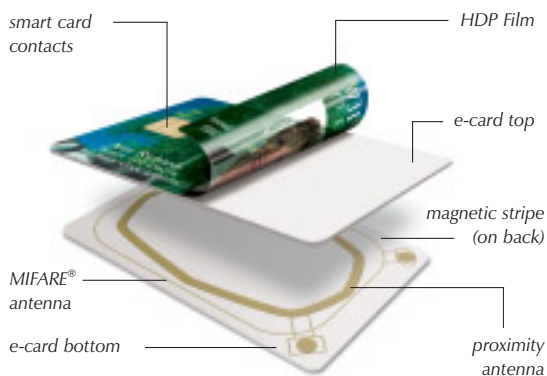
The FARGO HDP820 gives you the highest definition printing and encoding capabilities.

High Definition Printing™ — the new definition of card printing excellence.

The HDP820 Card Printer/Encoder features FARGO's one-of-a-kind High Definition Printing technology. Unlike direct-to-card printing, this revolutionary process prints images onto special HDP™ Film which is then fused into the surface of a card through heat and pressure. This technology offers you a wealth of printing and encoding advantages over traditional direct-to-card printers.

Print quality that is over-the-edge.

The print quality of HDP technology is outstanding. Thanks to its unique printing process, the HDP820 prints 16.7 million colors at 300 dpi for unsurpassed image clarity and depth. It prints tightly to the edge of any size smart chip, as well as over-the-edge of a card, giving you professional-quality cards with absolutely no borders. Even on oversized cards!



The FARGO HDP820 is the only card printer/encoder to offer exclusive High Definition Printing and encoding of up to three different e-card technologies plus a magnetic stripe within a single card. It even prints and encodes some clamshell proximity cards!

E-card encoding capabilities.

Perhaps the greatest impact the HDP820 can have on your organization lies in its e-card encoding capabilities. The HDP820 can encode up to three different e-card technologies plus a magnetic stripe on a single card — all in one pass! It can print and encode standard e-card types, including: contact smart cards, contactless smart cards and proximity cards. With these e-card encoding capabilities, your organization has access to a whole new level of security and functionality.

Prints on a wide variety of cards.

High Definition Printing shatters the boundaries of direct-to-card printers by allowing you to print and encode card sizes from CR-80 up to CR-100. Plus, you can print on extra thick cards, like popular clamshell proximity cards, and cards with irregular surfaces, such as proximity and smart cards.

Uncompromising performance.

You might expect a printer with such high print quality and flexibility to compromise on performance. Not this one. It comes standard with 8MB of memory, a Windows® printer driver, and independent printing and encoding stations. It also offers high-volume print ribbons and 250-card capacity hoppers for fast, uninterrupted batch printing. Plus, for maximum card production, it can even be networked with other HDP printers.

Reliable and easy to use.

The HDP820 is designed for simple, worry-free operation. It features drop-in ribbon loading, easy-to-load card hoppers that protect cards, and an automatic card cleaning feature that assures the highest print quality.

and encoding technology — all in one step.

capabilities for your high-end applications.

HDP820

High Definition Card Printer/Encoder Features

Optional Card Output Stacker automatically stacks up to 250 cards for convenient, organized batch printing.



Independent printing and encoding stations allow for a complete, one-step process.



LAMINATION
AVAILABLE SOON!

Ask your FARGO integrator about upgrading your HDP820.

High Definition Printing technology provides the highest quality card printing available.

Secure, exclusive SmartGuard™ feature restricts card printing access to authorized personnel only.

FARGO's exclusive Softkey Control Pad and a large LCD display tell you what buttons to press, when to load supplies, and even offer you online help.



HDP printing gives you added security.

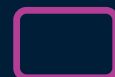
Remarkable security is another of the many benefits you get with HDP technology. Because graphics and text are printed on the underside of the HDP Film, the image is "sandwiched" between the durable film and the card. This results in cards that are virtually tamper-proof.

FARGO's HDP820 is so advanced, it will meet virtually all of the card personalization needs of your organization — now and in the future.



The HDP820 can produce multi-function cards for a variety of applications including access control, time and attendance tracking, student or employee record storage, cashless vending, retail and loyalty, and more!

Contact an authorized FARGO integrator about the HDP820 Card Printer/Encoder!



STANDARD
CARDS



OVERSIZED
BADGES



OVER-THE-EDGE



MAG STRIPE



CONTACT
SMART CARDS



CONTACTLESS
SMART CARDS



PROXIMITY
CARDS



LCD DISPLAY



HIGH SPEED
PRINTING



OUTPUT
STACKER



SMART
GUARD



HIGH VOLUME
PRINTING

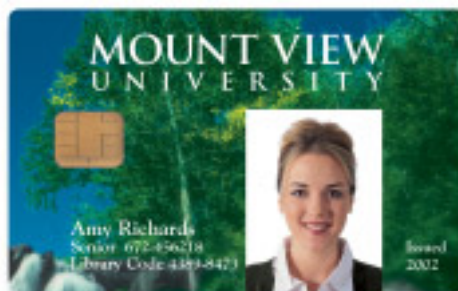
The HDP820 offers revolutionary print quality and encoding technology — all in one step.



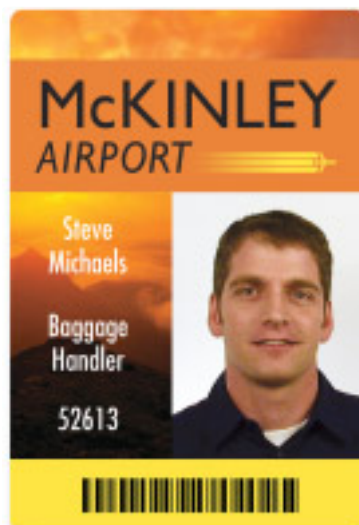
Corporate



Retail/Loyalty



Education



Airports

FARGO[®]

Card Personalization Systems

HDP820 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:	<ul style="list-style-type: none"> • Full Color, YMC*, 700 prints • Full Color with resin black, YMCK*, 250 or 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; extra wide for over-the-edge printing on CR-100 cards <p>All HDP ribbons utilize FARGO's exclusive RibbonTraq™ system for maximum print quality, performance, reliability and ease of use.</p>
HDP Film Options:	• Clear, 1,250 prints
Print Speed:**	35 seconds per card / 102 cards per hour (YMC with transfer)* 41 seconds per card / 87 cards per hour (YMCK with transfer)* 60 seconds per card / 60 cards per hour (YMCKK with transfer)*
Accepted Standard Card Sizes:	CR-80 (3.375"L x 2.125"W / 85.6mmL x 54mmW) CR-90 (3.63"L x 2.37"W / 92mmL x 60mmW) CR-100 (3.88"L x 2.63"W / 98.5mmL x 67mmW)
Print Area:	Over-the-edge on all accepted standard card sizes listed above (YMCKH ribbon required for over-the-edge printing on CR-100 cards)
Maximum Accepted Card Width Range:	2.125" to 2.63" / 54mm to 67mm
Maximum Accepted Card Length Range:	3.375" to 3.88" / 85.6mm to 98.5mm
Accepted Card Thickness:	.030" (30 mil) to .070" (70 mil) / .762mm to 1.778mm (30 mil maximum for CR-100 size cards)
Accepted Card Types:	ABS, PVC, PET, PETG, proximity and smart cards
Input Hopper Card Capacity:	250 cards (.030" / .762mm)
Output Hopper Card Capacity:	100 cards (.030" / .762mm); 250 cards with optional Card Output Stacker
Security Features:	SmartGuard printer security
Memory:	8MB RAM; upgradeable to 32MB
Display:	User-friendly, 4-line LCD display with Softkey Control Pad
Software Drivers:	Windows® 95/98/Me/NT 4.0/2000/XP
Encoding Options:	<ul style="list-style-type: none"> • 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) • Contact Smart Card Encoder (ISO 7816), Parts 1-4; T=0 & T=1 • Contactless Smart Card Encoder (MIFARE®) • Prox Card Encoder (HID read-only)
System Requirements:	IBM-PC or compatible, Windows 95/98/Me/NT 4.0/2000/XP, Pentium® class 133MHz computer with 32MB of RAM or higher, 200MB free hard disk space or higher, ECP parallel port with DMA access
Interface:	Centronics Parallel, IEEE 1284 compliant
Operating Temperature:	65° to 80°F / 18° to 27°C
Humidity:	20-80% non-condensing
Dimensions:	14.3"H x 26.1"W x 14.3"D / 363mmH x 663mmW x 363mmD
Weight:	70 lbs. / 31.8 kg
Agency Listings:	Safety: UL 1950, CSA C2.2 (No. 950-95) and TÜV-GS (EN 60950 A1-A4, A11) Emissions: ITS (EN 55022 Class B:1995), FCC Class B, EN 50082-1:1997, BSMI, CRC c1374 and CE Mark
Supply Voltage:	100-240 VAC, 2.5A
Supply Frequency:	50 Hz / 60 Hz
Warranty:	Printer – One year; optional Extended Warranty Program (U.S. only) Printhead – One year; unlimited pass with UltraCard™ 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 reliability, use only FARGO Certified Supplies. FARGO warranties are void, where not prohibited by law, when non-FARGO Certified Supplies are used.
Options:	<ul style="list-style-type: none"> • 32MB RAM Upgrade Kit • Printer Cleaning Kit • External Print Server (Windows only; required for stand-alone networking of printers) • USB-to-Parallel Interface Cable (Windows 98/Me/2000/XP only) • 250 Card Output Stacker

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

**Print speed indicates an approximate batch print speed and is measured from the time a card feeds into the printer to the time it ejects from the printer. 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. (Note that single card speeds will be slower than the batch print speeds listed above since batch print speed is enhanced by the printer's multi-tasking capabilities when printing multiple cards in succession.)

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