HDP5000

HIGH DEFINITION PRINTER/ENCODER

Specifications Overview

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 heat seal panel for difficult-to-print surfaces, YMCKH*, 500 prints
HDP Film Options:	• Clear (1,500 prints) • Standard Holographic (500 prints) • Custom Holographic, special order (500 prints)
Overlaminate Options:	• Thermal Transfer Overlaminate, .25 mil thick, 500 prints • PolyGuard® Overlaminate, 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: • 38 seconds per card / 95 cards per hour (YMC with transfer)* • 46 seconds per card / 78 cards per hour (YMCK with transfer)* • 70 seconds per card / 51 cards per hour (YMCKK with transfer)* • 50 seconds per card / 72 cards per hour (YMCK with transfer and dual-sided, simultaneous lamination)* • 75 seconds per card / 48 cards per hour (YMCKK with transfer and dual-sided, simultaneous lamination)*
Accepted Standard Card Sizes:	CR-80 (3.370"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, PVC, PET, PETG, proximity, smart and mag stripe cards, optical memory cards
Input Card Cartridge Capacity:	100 cards (.030" / .762mm)
Output Hopper Card Capacity:	200 cards (.030" / .762mm)
Card Cleaning:	Replaceable cleaning roller (included with each print ribbon)
Memory:	16MB RAM
Display:	User-friendly, SmartScreen™ LCD Control Panel
Software Drivers:	Windows® 2000 / XP / Server 2003 / Vista
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) • 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 Reader (HID read-only)
Interface:	USB 2.0 (high speed) and Ethernet with internal print server
System Requirements:	• x86 based PC or compatible • Windows 2000, Windows XP, Windows 2003, or Windows Vista • 500MHz computer with 256MB of RAM or higher • 500MB free hard disk space or higher
Operating Temperature:	65° to 90° F / 18° to 32° C
Humidity:	20 - 80% non-condensing
Dimensions:	• HDP5000: 11.50"H x 12.25"W x 9.25"D / 292mmH x 313mmW x 235mmD • HDP5000 + Dual-Sided Module: 11.50"H x 17.50"W x 9.25"D / 292mmH x 445mmW x 235mmD • HDP5000 + Single-Sided Lam Module: 12.75"H x 25"W x 9.25"D / 324mmH x 635mmW x 235mmD • HDP5000 + Dual-Sided Module + Dual-Sided Lam Module: 12.75"H x 30"W x 9.25"D / 324mmH x 762mmW x 235mmD • Lam Module: 12.75"H x 12.25"W x 9.25"D / 324mmH x 313mmW x 235mmD
Weight:	• HDP5000: 16 lbs. / 7.3 kg • HDP5000 + Dual-Sided Module: 22 lbs. / 10 kg • HDP5000 + Single-Sided Lam Module: 28 lbs. / 12.7 kg • HDP5000 + Dual-Sided Module + Dual-Sided Lam Module: 36 lbs. / 16.4 kg
Agency Listings:	• Safety: UL 60950, CSA C2.2 No 60950, CB report (EN 60950), and CE mark • EMC: FCC Part15 Class A, EN 55022: 1998 Class A, CRC c1374, EN 61000-3-2: 2000, EN 61000-3-2: 1995, EN 55024: 1998, CE mark, and CCC mark
Supply Voltage:	100-240 VAC, 3.8A
Supply Frequency:	50 Hz / 60 Hz
Warranty:	• Printer – Two years including one year of free printer loaner support (U.S. only); optional Extended Warranty Program (U.S. only) • Printhead – Lifetime; unlimited pass
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 Fargo Secure Materials. Fargo warranties are void, where not prohibited by law, when non-Fargo Secure Materials are used.
Options:	• Card Lamination Module – single-sided or dual-sided (simultaneous) • Smart card encoding (contact/contactless) • Door and cartridge locks • Printer cleaning kit • Magnetic stripe encoding • 200-card input hopper (available soon) • Dual-sided printing

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

Your Total Solution

Every Fargo printer/encoder is the central component of a complete Fargo Card Identity System. We also offer software, materials, cameras and accessories — everything you need from one trusted source, for a total solution to your card printing needs.

Software

Fargo printer/encoders work with Fargo Asure ID® applications and all other leading card creation and issuance management software.

Fargo printer/encoders also come with Fargo Workbench™, a software toolkit for set up, printer security, diagnostics and firmware upgrades.

Materials

Fargo ribbons, films, overlaminates, and other materials not only ensure superior print quality for long-lasting, great-looking cards, they add features that increase durability and resist counterfeiting. That means fewer card replacements and lower cost per card.

Cameras and Accessories

Fargo offers a selection of digital cameras, photo lighting equipment and backgrounds, plus card accessories such as lanyards and clips.

B-REV07D