

# DATACARD® FCP 20/20 FINANCIAL CARD PRINTER



## **Instantly issue unembossed financial cards**

*Instant issuance of credit, debit and ATM cards provides you with strong competitive advantages — including immediate revenue generation. The Datacard® FCP 20/20 financial card printer is a proven solution for issuing brilliant, full-color cards without embossed characters. It is the first choice for unembossed cards because it offers exceptional value in a compact package:*

- *Over-the-edge, high-resolution retransfer print technology*
- *Personalization of contact or contactless smart cards*
- *Magnetic stripe encoding*
- *Lockable security housing*
- *Cartridge-based supplies replenishment*
- *SmartScreen™ LCD control panel*
- *USB and Ethernet ports*
- *Internal print server*
- *Exception card feeder*
- *Locked reject card hopper*
- *Concealed output hopper*

## **Issue attractive, ready-to-use financial cards in seconds**

Datacard Group offers a complete portfolio that makes instant issuance of financial cards easy, productive and profitable. If your program calls for full-color, unembossed cards, the Datacard® FCP 20/20 financial card printer — integrated with Datacard® CardWizard® software and PIN management solutions — is a perfect fit. A patented dye-sublimation retransfer print technology creates cards that offer litho-like print quality and your choice of encoded magnetic stripes or personalized contact or contactless smart cards. This robust and reliable printer turns blank white cards into highly customized, ready-to-use credit, debit and ATM cards instantly.

- **Card flexibility.** The FCP 20/20 printer offers over-the-edge imaging capabilities so you can print background images and cardholder data on-demand. This flexibility allows you to offer personalized card designs from a single card stock, which reduces card inventory and pre-printing costs.
- **Dye-sublimation retransfer print technology.** Vibrant 300 dpi printing capabilities deliver crisp images on the underside of a high-definition retransfer film. The film is fused to the surface of a card, producing attractive, brilliant, ready-to-use financial cards in a matter of seconds. The printer is compatible with both contact and contactless smart cards, so it is ideal for EMV® card issuance.
- **Physical and logical security.** Built-in security features include solenoid locks that protect card stock, supply items and rejected cards. A rugged Kensington lock secures the printer to its workstation or tabletop. In addition, an internal print server and 3DES encryption protect financial data and cardholder information during the personalization process.

**Datacard**Group

# DATACARD® FCP 20/20 FINANCIAL CARD PRINTER



The Datacard® FCP 20/20 financial card printer is a proven solution for instant issuance of unembossed credit, debit and ATM cards.

## Standard Features

- Borderless contact smart card printing
- Full-card personalization (background image, cardholder data, security code)
- Magnetic stripe encoding
- Contact and contactless chip personalization
- Secure input hopper, cover and card reject area
- Kensington lock
- Exception card feeder
- Locked enclosure with password-protected access
- Simplified LCD control panel with end-user prompts
- USB and Ethernet ports
- Internal print server

## Options

- Smart card encoding coupler (contact/contactless) EMV Level 1
- Printer cleaning kit

## Supplies

- Cartridge-based card handling
- Cartridge ribbons
- Auto-Ribbon detect

## Specifications

- Print Method
  - High-Definition Retransfer Dye-Sublimation/Resin Thermal Transfer
- Resolution
  - 300 dpi continuous tone
- Print Speed (batch mode)<sup>2</sup>
  - 38 seconds per card/95 cards per hour (YMC with transfer)<sup>1</sup>
  - 46 seconds per card/78 cards per hour (YMCK with transfer)<sup>1</sup>
  - 70 seconds per card/51 cards per hour (YMCKK with transfer)<sup>1</sup>
  - 70 seconds per card/51 cards per hour (YMCKI with transfer)<sup>1</sup>
- Accepted Standard Card Sizes
  - CR-80 (3.370 in. x 2.125 in./85.6 mm x 54 mm)
- Print Area
  - Over-the-edge on CR-80 cards
- Accepted Card Thickness
  - .030 in. to .050 in. (.762 mm to 1.27 mm)
- Accepted Card Types
  - ABS, PVC, PET, PETG with Embedded Prox, GlobalPlatform®, JavaCard®, MULTOS® and native smart cards
- Memory
  - 16MB RAM
- Display
  - SmartScreen™ LCD Control Panel
- Software Drivers
  - Windows® 2000/XP/Server 2003/Vista™
- Encoding Options
  - ISO Magnetic Stripe Encoding (AES-128 encrypted)
  - Contact Smart Card Encoding (EMV Level 1 – ISO 7816)
  - Contactless Smart Card Encoding (ISO 14443 A/B)

## Interface

- USB 2.0 and/or single-wire TCP/IP
- Operating Temperature
  - 65° to 90° F/18° to 32° C
- Dimensions
  - 11.5 in. H x 24.5 in. W x 9.25 in. D (292 mm H x 622.3 mm W x 235 mm D)
- Weight
  - 24 lbs. (10.09 kg)
- Supply Voltage
  - 100-240 VAC. 3.8A
- Supply Frequency
  - 50 Hz / 60 Hz
- Warranties

- Two-year standard printer warranty:
- Optional rapid replacement depot service
- Lifetime printhead warranty
- Software Compatibility
  - Compatible with Datacard® CardWizard® software (USB and single-wire TCP/IP)
  - Compatible with Datacard® CardWizard® issuance software

<sup>1</sup> Indicates the ribbon type and the number of ribbon panels printed, where Y= Yellow, M=Magenta, C=Cyan, K=Resin Black, O=Overlay, i=Inhibit

<sup>2</sup> Print speeds indicate an approximate print speed and are 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.

## DatacardGroup

### CORPORATE HEADQUARTERS

Minnetonka, MN  
+1 952 933 1223  
info@datacard.com

### AMERICAS

Denver, CO  
+1 303 754 2000  
sales@instantissuance.com