

# DATACARD® CE870™ INSTANT ISSUANCE SYSTEM



## ENHANCE SECURITY AND CARDHOLDER SATISFACTION

*Datacard® instant issuance solutions — including the new CE870™ system — empower you to issue cards anywhere, anytime you choose. This allows you to create card programs that align perfectly with emerging consumer demands for customization, personalization, flexibility and on-demand service.*

## Issue high-quality embossed financial cards instantly

The Datacard® CE870™ instant issuance system makes it easy for financial institutions to enjoy the full benefits of instant issuance. Putting ready-to-use credit and debit cards into your customers' hands measurably improves activation rates and card usage. It enhances cardholder satisfaction and elevates service levels. Plus, it helps reduce traditional card issuance costs, including card pre-printing, card inventory, mail packages and postage.

## Choose from best-in-class personalization technologies

- **Create your ideal printer.** We can configure the system to meet your precise requirements. In addition to standard embossing, indent printing and magnetic stripe encoding, you can add optional EMV®-compliant smart card personalization, a productive six-compartment input hopper and full-color, direct-to-card printing.
- **Exceptional embossing.** Built on proven technology, the CE870 system offers embossing and indent printing of up to 150 characters. High-quality embossing enhances the appearance and security of your financial cards.
- **Strong program security.** A variety of physical and logical security features support Visa and MasterCard security standards. You also get audit trails and robust protection for card stock and supply items.
- **Part of a complete solution.** The CE870 system offers seamless compatibility with industry-leading Datacard® CardWizard® issuance software. Look to Datacard Group for fully integrated financial instant issuance offerings, including hardware, software, global services and supplies.

Enterprise Solutions Provider:



Metropolitan Data Solutions  
279 Conklin Street  
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**Datacard** Group

# DATACARD® CE870™ INSTANT ISSUANCE SYSTEM

- Optional six-compartment multi-hopper
- Optional direct-to-card printing
- Magnetic stripe and single-wire smart card encoding
- Up to 150 embossing/indenting characters
- Indent printing on front and back of card
- Convenient front-facing input and output hopper



## CE870 Instant Issuance System Features and Specifications

Embossing/Indent	75-character embossing/indenting wheel, financial format per ID-1 ISO 7811-3 Front, rear or both sides of the card
Speed	60 seconds to encode mag stripe, indent, emboss and top the card 64 seconds to print monochrome graphics, encode mag stripe, indent, emboss and top the card 78 seconds to print color graphics, encode mag stripe, indent, emboss and top the card
Encoding	Magnetic stripe encoding   ISO 7811, three track high- and low-coercivity
Card capacity	Automatic card feed with 100-card input hopper based on 0.030 in. card thickness Output hopper, 10-card capacity   Reject bin, up to 10-card capacity   Exception card slot
Security features	Software activated lock to secure card stock, supplies and reject card hopper SSL/TLS encryption, supports 3DES and AES-128   Bolt-down ready Kensington® lock compatible (lock sold separately)   Concealed output hopper Password protected cabinet   Non-resettable card counter for auditing   Tilt alarm
Display	2-line LCD display User interface languages available: English, Spanish, German, Italian, Japanese
Physical dimensions	Top module (single hopper system): 8.8 in. W x 21.2 in. D x 8.8 in. H Top module (six-compartment multi-hopper system): 16.5 in. W x 27.5 in. D x 14.5 in. H Bottom module (embosser): 15 in. W x 27.5 in. D x 10.5 in. H
Weight	Top module (single input hopper, encoding, printing): 12 lbs. Top module (six-compartment multi-hopper, encoding, printing): 33 lbs. Bottom module (indenting, embossing, topping, card output): 40 lbs.
Connectivity	Ethernet and USB
Warranty	12-month system warranty

## CE870 Instant Issuance System Options

Embossing/Indent	Second 75-character wheel for embossing/indenting MasterCard security characters   Helvetica® characters   OCR-A1, OCR-B1
Multi-Hopper	Six-compartment multi-hopper   Six 100-card hoppers, 600-card total capacity
Smart card personalization	Contact and contactless smart card encoding for ISO 14443 A/B, ISO 7816 and Mifare® Single-wire connectivity   Supports production of EMV level-1 compliant cards
Magnetic stripe encoding	JIS II magnetic stripe encoding, front and rear (Currently not supported by CardWizard issuance software)
Print technology	Direct-to-card dye sublimation/resin thermal transfer printing One-sided (simplex) and two-sided (duplex), edge-to-edge printing Full-color and monochrome printing capability Standard mode: 300 x 300 dots per inch, standard text, bar code and graphics printing High-quality mode: 300 x 600 dots per inch; enhanced text and graphics printing 300 x 1,200 dots per inch; enhanced text printing (Currently not supported by CardWizard issuance software) Datacard® TrueMatch™ printing technology Ability to conform to sRGB standard

## Your complete financial instant issuance solution

Manage your card programs the way you want — with exceptional security, reliability and flexibility. The Datacard® CE870™ instant issuance system works seamlessly with Datacard® software, certified supplies and global services to give you a complete financial instant issuance solution.

### Software

Datacard® CardWizard® software is the world's best-selling solution for instant issuance of credit, debit and ATM cards. Instantly issue a wide variety of financial cards on-demand and drive new revenue for your financial card program.

### Supplies

Datacard® Certified Supplies help you produce highly secure cards instantly. Count on superb image quality and optimize the performance of your Datacard® issuance system.

### Services

Datacard Global Services and our worldwide network of authorized service providers are available to answer any questions or promptly address service issues. Backed by more than 40 years of experience, our skilled professionals provide a full range of technical support for your card program.

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# DATACARD® CE870™ INSTANT ISSUANCE SYSTEM SPECIFICATIONS



## Standard Features

### Embossing

- 75-character embossing/indenting wheel
- Financial format per ID-1 ISO 7811-3
- Optional second 75-character embossing wheel

### Indent printing

- Front, rear or both sides of the card

### Speed

- 60 seconds to encode mag stripe, indent, emboss and top the card
- 64 seconds to print monochrome graphics, encode mag stripe, indent, emboss and top the card
- 78 seconds to print color graphics, encode mag stripe, indent, emboss and top the card

### Encoding

- Magnetic stripe encoding
- ISO 7811, three track high- and low-coercivity

### Capacity

- Automatic card feed with 100-card input hopper based on 0.030 in. card thickness
- Output hopper, 10-card capacity
- Reject bin, up to 10-card capacity
- Exception card slot

### Security features

- Software activated lock to secure card stock, supplies, and reject card hopper
- SSL/TLS encryption, supports 3DES and AES-128
- Bolt-down ready
- Kensington® lock compatible (lock sold separately)
- Concealed output hopper
- Password protected cabinet
- Non-resettable card counter for auditing
- Tilt alarm

### 2-line LCD display

User interface languages available: English, Spanish, German, Italian, Japanese

### Warranty

- 12-month system warranty

## Optional Features

### Second 75-character wheel for embossing/indenting

#### Indent type

- MasterCard security characters
- Helvetica® characters
- OCR-A1, OCR-B1

### Six-compartment multi-hopper

- Six 100-card hoppers, 600-card total capacity

### Smart card encoding

- Contact and contactless smart card encoding for ISO 14443 A/B, ISO 7816 and Mifare®
- Single-wire connectivity
- Supports production of EMV level-1 compliant cards

JIS II magnetic stripe encoding, front and rear (Currently not supported by CardWizard issuance software)

### Direct-to-card dye sublimation/resin thermal transfer printing

- One-sided (simplex) and two-sided (duplex), edge-to-edge printing
- Full-color and monochrome printing capability
- Standard mode: 300 x 300 dots per inch, standard text, bar code and graphics printing
- High-quality mode: 300 x 600 dots per inch; enhanced text and graphics printing
- 300 x 1,200 dots per inch; enhanced text printing (Currently not supported by CardWizard issuance software)
- Datacard® TrueMatch™ printing technology
- Ability to conform to sRGB standard

Datacard® certified supplies featuring Intelligent Supplies Technology™

- Automatic identification and validation for print ribbon and topping foil
- Adjustable low ribbon and cleaning card alerts
- Ribbon saver

### Touch-screen display

- Available through custom integration

### Alarm system

- Available through custom integration

## Software Compatibility

- Compatible with Datacard® CardWizard® issuance software
- Datacard® Printer Command Language (for custom development)
- CPX Protocol

## System Specifications

Top module dimensions (single hopper system)  
8.8 in. W x 21.2 in. D x 8.8 in. H

Top module dimensions (six-compartment multi-hopper system)

- 16.5 in. W x 27.5 in. D x 14.5 in. H

Bottom module (embosser) dimensions

- 15 in. W x 27.5 in. D x 10.5 in. H

### System weight

- Top module (single input hopper, encoding, printing)  
12 lbs.

Top module (six-compartment multi-hopper, encoding, printing)

- 33 lbs.

Bottom module (indenting, embossing, topping, card output)

- 40 lbs.

### Connectivity

- Ethernet and USB
- Operating system support for embosser driver
- Windows 7 (32 and 64 bit)
- Windows Vista (32 and 64 bit)
- Windows XP SP3 (32 bit)
- Windows Server® 2008 (64 bit)
- Windows Server 2003 (32 bit)
- Microsoft Windows Hardware Quality Labs (WHQL) certified

### Agency approvals

- cULus, FCC, I.C., CE, Ctick, VCCI, RoHS, WEEE
- agency approvals in process: CCC & KC

### Environment/energy-saving features

- Biodegradable supply cores made with EcoPure® additive
- Recyclable enclosure plastics (marked with recycle symbol per Resin Identification Code)
- Recyclable packaging

### Plastic cards accepted

- ISO ID-1/CR-80 size cards
- PVC with glossy laminate surface
- 3.370 in. x 2.125 in. (85.6 mm x 53.98 mm)

### Card thickness accepted

- 0.030 in. (0.76 mm) +/- 10%

### Operating environment

- 60° F to 90° F (15° C to 32° C)

### Electronic requirements

- 100-240V, 50/60 Hz

## Supplies

### Topping Foils

- Silver
- Black
- Gold
- White
- Dark Blue

### Indent Ribbons

- Black
- White
- Black and White Panel

### Cleaning Supplies

- Cleaning, Kit, (10) Cards Per Pack
- Cleaning, Kit, Adhesive, (5) Sleeves Per Pack
- Cleaning, Pen, For cleaning printhead & card track

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