DATACARD® CE840™ CARD PERSONALIZATION SYSTEM

PRELIMINARY

Note: This datasheet contains preliminary information, which is subject to change prior to product launch.

HIGH-QUALITY EMBOSSING, OPTIONAL COLOR PRINTING

- *Issue attractive, highly secure cards on demand*
- *Minimize operating expenses, per-card costs*
- *Emboss pre-printed cards with exceptional speed and quality — or create brilliant, full-color cards with optional printing*
- *Impress customers, strengthen your brand*
- *Ideal for loyalty, membership and healthcare applications*

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The most trusted name in card personalization

Datacard® systems are used to issue a majority of the world's financial and identification cards. The quality, reliability and reputation of our systems are unmatched. Now, you can get this world-leading performance in the Datacard® CE840™ card personalization system — a desktop system that allows you to issue attractive, ready-to-use cards on demand. Standard features include embossing, indent printing and magnetic stripe encoding, as well as optional direct-to-card printing and smart card personalization.

- **Quality embossing and indent printing.** Issuing personalized cards with high quality embossed characters and indent printing adds both security and aesthetic quality to your programs. Embossed characters are virtually impossible to alter, forge or remove. They also add a solid, classic feel to your cards.

- **Choice of encoding capabilities.** The system offers standard magnetic stripe encoding and optional smart card personalization, which makes it ideal for retail and casino loyalty programs, patient IDs, membership cards and low-volume financial card programs.

- **Optional color printing.** Our highly cost-effective direct-to-card printing technology uses patented printheads and dye ribbons to create edge-to-edge full-color images. Attractive, colorful cards engage customers and help build your brand.

- **Low total cost of ownership.** The Datacard CE840 system is built with the same components used in the world's most demanding high-volume card programs. This proven reliability, combined with intuitive operation and supply conserving technologies, results in exceptionally low total cost of ownership.

Preliminary

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DATACARD® CE840™ CARD PERSONALIZATION SYSTEM

- Up to 150 embossed/indent printing characters
- Magnetic stripe encoding
- Smart card personalization
- Optional direct-to-card color printing
- Convenient front-facing input/output hopper
- Indent printing on front or back of card

CE840 Card Personalization 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 magnetic stripe, indent and emboss the card 64 seconds to print monochrome graphics, encode magnetic stripe, indent and emboss the card 78 seconds to print color graphics, encode magnetic stripe, indent and emboss the card
Encoding	Magnetic stripe encoding I 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, up to 10-card capacity I Reject bin, up to 10-card capacity I 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 I Bolt-down ready Kensington lock compatible (lock sold separately) I Concealed output hopper Password protected cabinet I Non-resettable card counter for auditing
Display	2-line LCD display User interface languages available: English, Spanish, German, Italian, Japanese, Traditional Chinese, Korean, Portuguese and Arabic
Physical dimensions	Top module (single hopper system): 8.8 in. W x 21.2 in. D x 8.8 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. Bottom module (indenting, embossing, topping, card output): 40 lbs.
Connectivity	Ethernet and USB
Warranty	12-month system warranty

CE840 Card Personalization System Options

Embossing/Indent	Second 75-character wheel for embossing/indenting MasterCard security characters I Helvetica® characters I OCR-A1, OCR-B1
Smart card personalization	Contact and contactless smart card encoding for ISO 14443 A/B, ISO 7816 and Mifare Single-wire connectivity I Supports production of EMV level-1 compliant cards
Magnetic stripe encoding	JIS II magnetic stripe encoding, front and rear
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) 256 shades per color panel Datacard® TrueMatch™ color management system Ability to conform to RGB standard

Build a complete card issuance solution with Datacard Group

The Datacard CE840 card personalization system works with Datacard® software, certified supplies and global services to give you a complete issuance solution that delivers exceptional results.

Supplies

Datacard® Certified Supplies help you produce ID cards with superb image quality while optimizing the performance of your issuance system.

Services

Got a question or problem? Datacard Global Services, and our worldwide network of authorized service providers, are the people to call. They're skilled professionals backed by over 40 years of Datacard Group experience.

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