

DATACARD® CD800™ CARD PRINTER



THE NEW LOOK OF LEADERSHIP

The CD800 card printer brings the New Look of Leadership to enterprise-class desktop card printers — built for outstanding speed, printing quality, flexibility and reliable performance.

The best value in enterprise-class desktop card printing

The Datacard® CD800™ card printer efficiently produces great-looking ID cards in less time than any other comparable desktop printer. It's engineered and built to handle the higher volumes and technical requirements of state and local government, corporate, commercial and educational card issuance. When your application demands speed, performance and reliability in a compact and efficient unit, the CD800 card printer is the ideal choice.

A card production powerhouse fueled by innovation

- **Industry-leading print speeds.** The CD800 printer dramatically improves your card issuance throughput with printing speeds that rival the fastest card printers in its class.
- **Industry-leading image quality.** Reproduce intricate graphics such as state seals and school emblems with the CD800 printer's enhanced print modes. Resolutions up to 300 x 1200 dpi — an industry first — mean that fine text, 2D bar codes and complex two-byte character sets print sharp and bleed-free. Exclusive TrueMatch™ printing technology delivers vibrant colors that more closely match the colors on your screen.
- **Reliable operation.** The CD800 printer withstands the daily demands of enterprise-level card issuance. Industry-exclusive TruePick™ card handling virtually eliminates jams by accurately picking cards, standard or thin, with no adjustments.
- **Best value today and tomorrow.** Rest assured that the CD800 printer investment you make now will continue to pay off in the future. Modular design lets you field upgrade your CD800 printers with different encoders and features as your card issuance needs change.

Make the CD800™ printer part of your total card issuance solution



A long pedigree of experience and innovation guided the development of the Datacard® CD800™ card printer. We have more than 40 years of experience building card issuance systems, including more than 200,000 desktop systems. More than 350 government programs in 92 countries trust Datacard systems for their card issuance. So, we know the demands of your enterprise environment: Higher volumes. Extended production runs. Complex applications. More on-card technology. Greater security. All of these things factored into the design of the CD800 printer. You not only get a desktop card printer that's compact and easy to use, you get an enterprise-class machine that's ready to take on *your* application.



Fits where most card printers don't

- **State and local government:** Datacard printers are the choice for hundreds of state and local government card issuance programs. The CD800 card printer's compact size and simple operation make it a great choice for a wide range of government applications, from transit passes to photo IDs for assistance program recipients.
- **Corporate:** Secure identification is the front-line defense for protecting people and assets. The CD800 card printer can produce a wide variety of employee, contractor and visitor badges, plus time and attendance cards and access control cards to secure facilities and parking.
- **Education:** Keep student registration lines moving with the reliable, high-speed CD800 card printer. Use it anywhere for on-the-spot issuance of multi-purpose campus cards, staff and student photo IDs, and access cards for libraries, residence halls and food services.
- **Commercial:** Build loyalty by better connecting with your customers. The CD800 card printer offers the flexibility to issue custom cards for promotions, membership IDs or loyalty programs in a variety of card types for a wide range of uses instantly.



Works on your network

Your IT department will have an easy time adding the CD800 card printer to your organization's network. It meets IT expectations for networked devices with standards-compliant Ethernet and USB connectivity. An internal print server eliminates the need for an external network box. IT administrators can keep your CD800 printer up and running from anywhere using remote management and diagnostics. There's also a rich set of software tools for easily integrating the CD800 printer into sophisticated, custom card issuance applications.



Enterprise doesn't mean complicated

The CD800 card printer maximizes your team's productivity by minimizing the time they need to learn and operate it. Printer controls and both the input and output card hoppers are conveniently up front for easy access. The reloadable supply cartridge — which includes both printer ribbon and drop-in cleaning roller — simply loads into the top of the printer. Operation is a breeze. Intuitive icons and messages on the soft-touch LCD control panel guide you through printer operation, so you're never left wondering what to do next.

One great printer, dozens of great innovations

Years of development and numerous customer input sessions have gone into the creation of the CD800 card printer. It's packed with industry-leading innovations and features, such as:

- Automatic 100-card input hopper with exception card slot
- 25-card output hopper standard with optional 100-card output hopper
- Optional six-compartment multi-hopper, 600-card total capacity
- Optional, field-upgradable smart card and magnetic stripe encoding modules
- Two-sided or one-sided card printer models (factory option or field upgradeable)
- Color or monochrome printing in the same unit
- Reloadable supply cartridges with drop-in cleaning roller
- Intuitive LCD panel with soft-touch controls and soft-power switch
- Ethernet and USB connectivity standard on all CD800 printer models
- Advanced printer driver; support for third-party application development

The Datacard CD800 card printer is an ideal choice for applications such as:

- Employee, contractor and visitor IDs
- Student and faculty ID cards
- Government photo IDs for agency inspectors and public safety officers
- Casino frequent player cards
- Photo IDs for assistance program participants
- Parks and recreation passes
- Library cards
- Transit passes
- Health care staff and patient IDs
- Club membership cards
- Ski resort passes
- Customer loyalty cards



Datacard CD800 Card Printer



Datacard CD800 Card Printer with optional multi-hopper



The enhanced printing advantage

The CD800 card printer solves the problem of printing fine text and intricate graphics onto plastic cards. With the 300 x 1200 dpi resolution advantage of the CD800 printer, you can print 6-point text, 2D bar codes and complex two-byte character sets with the confidence that they will all be sharp, legible and bleed-free.

Engineered for enterprise-class ID card issuance

With its industry-leading speed, print quality and reliable performance, the Datacard® CD800™ card printer is the new workhorse for enterprise-class card issuance. And, as these specs show, the CD800 printer is engineered to fit your most demanding applications. You've read about it, now see a demo. Ask your Datacard Enterprise Solutions Provider about the CD800 card printer.

CD800 Printer Standard Features and Specifications

Print technology	Direct-to-card dye-sublimation/resin thermal transfer
Print capabilities	One-sided (simplex) or optional two-sided (duplex) edge-to-edge printing Full-color and monochrome printing capability in the same printer Alphanumeric text, logos and digitized signatures; 1D/2D bar code images Printer pooling/sharing
Print resolution	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, bar code and graphics printing 300 x 1200 dots per inch; enhanced text and bar code printing 256 shades per color panel
Print speed	Full-color printing: Up to 220 cards per hour printing cards on one side (YMCKT*) Up to 165 cards per hour printing cards on two sides (YMCKT-K*) Monochrome printing: Up to 1,000 cards per hour printing cards on one side (Black HQ*)
Card capacity	Automatic feed: 100-card input for 0.030 in. (0.76 mm) cards; 25-card output standard Front exception card slot Separate reject location and holding tray (10-card capacity) Input hopper empty detection
Physical dimensions	One-sided printing: L 17.4 in. x W 8.8 in. x H 8.8 in. (44.2 cm x 22.4 cm x 22.4 cm) Two-sided printing: L 21.2 in. x W 8.8 in. x H 8.8 in. (53.8 cm x 22.4 cm x 22.4 cm) Six-compartment multi-hopper: L 27.5 in x W 16.5 in. x H 14.5 in. (69.9 cm x 41.9 cm x 36.8 cm)
Weight	One-sided printing: 9.0 lbs (4.1 kg) (depending on options) Two-sided printing: 12.0 lbs (5.4 kg) (depending on options) Six-compartment multi-hopper: 33.0 lbs (15.0 kg)
Connectivity	Bidirectional USB 2.0 high speed; Ethernet 10 Base-T/100-Base-TX (with activity light)
Warranties	30-month standard depot warranty; 30-month printhead warranty (no pass restrictions)

CD800 Printer Options

Magnetic stripe encoding	Field upgradeable ISO 7811 three-track option (high- and low-coercivity) JIS Type II single-track option Support for standard and custom data formats
Multi-Hopper	Six-compartment multi-hopper; Six 100-card hoppers, 600-card total capacity
Smart card personalization	Factory options: Single-wire contact/contactless all-in-one encoder (read/write) for MIFARE, ISO7816, ISO14443 A/B, ISO15693, ISO FeliCa. DESFire available by Dec. 2012 Two-wire contact/contactless all-in-one encoder (read/write) for MIFARE/DESFire, ISO7816, ISO14443, A/B Field upgradeable options: Single-wire contact/contactless all-in-one encoder (read/write) for MIFARE, ISO7816, ISO14443 A/B, ISO15693, ISO FeliCa. DESFire available by Dec. 2012 Two-wire contact/contactless all-in-one encoder (read/write) for MIFARE/DESFire, ISO7816, ISO14443, A/B iCLASS® by HID, read/write encoder or read-only PC Prox by HID, read-only Third-party OEM smart card option-ready (for contactless readers only – encoder not included)
OpenCard	Factory option only Supports one- and two-sided printing Full-color and monochrome printing Front exception card slot supported Supports legacy OpenCard formats Ethernet or USB
Two-sided printing	Factory option or field upgradeable
End-user upgradeable options	Extended 100-card output hopper (available for single-hopper) Extended 200-card input hopper (available for single-hopper) Kensington® security lock for printer

*Ribbon type and number of panels: Y=Yellow, M=Magenta, C=Cyan, K=Black, T=Inline Topcoat; HQ=High Quality

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Discover how the CD800 printer fits your card issuance needs

Is the CD800 card printer the right choice for your applications? Find out by talking to your Datacard Enterprise Solutions Provider. They'll help you assess your requirements. Then, they'll show you how the CD800 printer works as part of a total card issuance solution that includes software, capture devices and Datacard® Certified Supplies.



Support and service anytime, anywhere

Datacard Global Services stands ready to help you get optimum performance from your CD800 printer. This network of authorized service providers in 120 countries offers planning, implementation and support services when and where you need them. You'll work with skilled professionals backed by over 40 years of Datacard Group experience.

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DATACARD® CD800™ ENTERPRISE-CLASS CARD PRINTER SPECIFICATIONS



CD800™ Printer Standard Features

Print technology
Direct-to-card dye-sublimation/resin thermal transfer

Print capabilities
One-sided (simplex) or optional two-sided (duplex), edge-to-edge printing
Full-color and monochrome printing capability
Alphanumeric text, logos and digitized signatures
1D/2D bar code images
Printer pooling/sharing

Print resolution
Standard mode:
300 x 300 dots per inch; standard text, bar code and graphics printing
High Quality (HQ*) mode:
300 x 600 dots per inch; enhanced text, bar code and graphics printing
300 x 1200 dots per inch; enhanced text and bar code printing
256 shades per color panel

Print quality
Datacard® TrueMatch™ printing technology
Ability to conform to sRGB standard
Flexible color management options

Print speed
Full-color printing: up to 220 cards per hour, one-sided (YMCKT*), up to 165 cards per hour, two-sided (YMCKT-K*)
Monochrome printing: up to 1,000 cards per hour, one-sided (black HQ*)

Printer memory
128 MB standard

Encoding
Magnetic stripe encoding
ISO 7811, three track high- and low-coercivity
JIS Type II single-track option

Card capacity
Automatic feed: 100-card input for 0.030 in. (0.76 mm) cards; 25-card output standard
Front exception card slot
Separate reject location and holding tray; 10-card capacity
Input hopper empty detection

Printer display
Printer status messages
Multiple backlight settings
International languages available: English, Spanish, German, Italian, Japanese

Printer driver
Split-panel YMCKT feature for dual-sided printing
Adjustable color controls with image preview
Pre-set area to block printing on magnetic stripe, with escapes for custom areas

Utilizes Windows® XPS-based technology for high-fidelity printing

Secure disabling of card remake
Software Development Kit (SDK) for Windows operating system driver
User interface languages available: English, French, German, Italian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Portuguese (Brazil), Russian, Spanish, Romanian and Polish

User-friendly operation
Power supply
Printer messages display on LCD panel
Power cord (region-specific)

Graphical display on Windows 7 operating system
Easy, fast installation
Card remake standard with cancel option
Operator-replaceable printhead
Front panel soft power button
Datacard® Certified Supplies featuring Intelligent Supplies Technology™
Automatic identification and validation for ribbons
Adjustable low ribbon and cleaning cycle alerts
Ribbon saver
Warranties
30-month standard depot warranty
30-month printhead warranty (no pass restrictions)

CD800 Printer Options

Multi-Hopper
Six-compartment multi-hopper
Six 100-card hoppers, 600-card total capacity
Two-sided (duplex) printing (field-upgradeable)
Smart card personalization
Factory options:
Single-wire contact/contactless all-in-one encoder (read/write) for MIFARE, ISO7816, ISO14443 A/B, ISO15693, ISO FeliCa. DESFire available by Dec. 2012.
Two-wire contact/contactless all-in-one encoder (read/write) for MIFARE/DESFire, ISO7816, ISO14443, A/B
Field upgradeable options:
Single-wire contact/contactless all-in-one encoder (read/write) for MIFARE, ISO7816, ISO14443 A/B, ISO15693, ISO FeliCa. DESFire available by Dec. 2012.
Two-wire contact/contactless all-in-one encoder (read/write) for MIFARE/DESFire, ISO7816, ISO14443, A/B
iCLASS® by HID, read/write encoder or read-only PC Prox by HID, read-only
Third-party OEM smart card option-ready (for contactless readers only – encoder not included)

OpenCard
Factory option only; single- or dual-sided printing; full-color and/or monochrome printing; ethernet or USB

End-user upgradeable options
Extended 100-card output hopper (available for single-hopper)
Extended 200-card input hopper (available for single-hopper)
Kensington® security lock for printer

CD800 Printer Supplies

Print ribbon kits - color
Full-color with resin black and topcoat panel, YMCKT*, 250 images
Full-color with resin black and topcoat panel, YMCKT*, 500 images
Full-color short panel with resin black and topcoat panel, ymcKT*, 650 images
Resin black and topcoat panel, KT*, 1000 images
Full-color with resin black and topcoat panel on front, resin black on back, YMCKT-K*, 375 images (duplex)
Full-color with resin black and topcoat panel on front, resin black and topcoat panel on back, YMCKT-KT*, 300 images (duplex)
Resin black with inline double topcoat panel on front, topcoat panel on back, KTT*, 750 images (duplex)

Print ribbon kits - monochrome
Resin black HQ*, 500 images
Resin black HQ*, dark blue, white, red, green, silver, gold, metallic silver, metallic gold, 1500 images
New, improved scratch-off, 1500 images

CD800 Printer Specifications

Physical dimensions
One-sided printing: L 17.4 in. x W 8.8 in. x H 8.8 in. (44.2 cm x 22.4 cm x 22.4 cm)
Two-sided printing: L 21.2 in. x W 8.8 in. x H 8.8 in. (53.8 cm x 22.4 cm x 22.4 cm)
Six-compartment multi-hopper: L 27.5 in x W 16.5 in. x H 14.5 in. (69.9 cm x 41.9 cm x 36.8 cm)

Weight
One-sided printing: 9.0 lbs (4.1 kg) (depending on options)
Two-sided printing: 12.0 lbs (5.4 kg) (depending on options)
Six-compartment multi-hopper: 33 lbs (15 kg)

Electronic requirements
100/120V, 50/60 Hz
220/240V, 50/60 Hz

Plastic cards accepted
ISO ID-1/CR-80 size cards 3.370 in. x 2.125 in. (85.6 mm x 53.98 mm)
PCV with glossy laminate surface
Select key fob cards (ISO ID-1/CR-80 size cards)
Datacard® StickiCard™ adhesive-backed plastic cards

Card thickness accepted
0.010 in. to 0.037 in. (0.254 mm to 0.939 mm)

Operating environment
60°F to 95°F (15°C to 35°C)
20% to 80% non-condensing humidity

Storage environment
5°F to 140°F (-15°C to 60°C)
10% to 90%, non-condensing humidity

Connectivity
Bidirectional USB 2.0 high speed
Ethernet 10 Base-T/100-Base-TX (with activity light)

Operating system support for printer driver
Windows 8 (32 and 64 bit)
Windows 7 (32 and 64 bit)
Windows XP SP3 (32 bit)
Windows Server 2012 (64 bit)
Windows Server 2008 R2 (64 bit)
Windows Server 2003 R2 (32 bit)

Agency approvals
cULus, FCC, I.C., CE, Ctick, VCCI, RoHS, WEEE, CCC, KCC

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

Included with CD800 printer
Printer driver CD, Quick Install Guide and warranty
ID Centre™ Intro identification software
Cleaning pen
Cleaning roller spindle
USB cable

*Ribbon type and number of panels; Y=Yellow, M=Magenta, C=Cyan, K=Black, T=Inline Topcoat, HQ=High Quality