

DATACARD® CD800™ CARD PRINTER WITH INLINE LAMINATION MODULE SPECIFICATIONS



CD800™ Printer Standard Features

- Print technology
 - Direct-to-card dye-sublimation/resin thermal transfer
- Print and lamination capabilities
 - One- or two-sided edge-to-edge printing, with standard one-sided and optional two-sided lamination
 - 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, lamination and tactile impression speed
 - Up to 210 cards per hour front side YMCK ribbon with front side lamination
 - Up to 185 cards per hour front and back side YMCK-K ribbon with front side lamination
 - Up to 195 cards per hour (one side print and lamination with tactile) YMCK
 - Up to 160 cards per hour (two sided printing and one sided lamination with tactile) YMCK-K
- Printer memory
 - 128 MB standard
- 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
 - Printer messages display on LCD panel
 - 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)
 - Full warranty details can be found in the printer documentation kit

CD800 Printer Options

- ### Magnetic stripe encoding
- ISO 7811, three track high- and low-coercivity
 - JIS Type II single-track option
- ### 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 contact readers only – encoder not included)
- ### Field upgradeable options
- Tactile impression
 - Second lamination station
- ### Factory options
- Barcode reader
 - Printer and laminator locks
- ### End-user upgradeable options
- Extended 200-card input hopper
 - Kensington bolt-down security lock

CD800 Printer Supplies

- ### Print ribbon kits - color
- Full-color with resin black, YMCK*, 500 images
 - Full-color with resin black on front, resin black on back, YMCK-K*, 500 images (duplex)
 - 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)
 - Full-color with resin black and fluorescent panel on front, resin black and topcoat panel on back, YMCKF-KT*, 300 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
- ### Secure overlays
- Topcoats
 - Datacard® DuraShield™ overlays
 - Datacard® DuraGard® laminates

CD800 Printer Specifications

- ### Physical dimensions
- Lamination station 1: 23.2 in. x 10.6 in. x 20.2 in. (589 mm x 270 mm x 513 mm)
 - Lamination station 1 and 2: 23.2 in. x 10.6 in. x 20.2 in. (589 mm x 270 mm x 513 mm)
 - Lamination station 1, 2 and impessor: 26.6 in. x 10.6 in. x 20.2 in. (675 mm x 270 mm x 513 mm)
- ### Weight
- Lamination station 1: 29.92 lbs (13.6 kg)
 - Lamination station 1 and 2: 32.78 lbs (14.9 kg)
 - Lamination station 1, 2 and impessor: 36.96 lbs (16.8 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 (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
 - Power supply
 - Power cord (region-specific)

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

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