

# 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 (available soon)
- 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
  - Ability to conform to sRGB standard
  - End-to-end color management
- Print speed
  - Full-color printing: up to 220 cards per hour, single-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\* ribbon)
- 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 (two-sided printer model only)
  - Input hopper empty detection
- Printer display
  - Printer status messages
  - Multiple backlight settings
  - International languages available: English, Spanish, German, Italian and Japanese
- Printer driver
  - 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, Spanish, German, Italian, Japanese, Traditional Chinese, Korean, Portuguese and Arabic
- User-friendly operation
  - Printer messages display on LCD panel
  - Graphical display on Windows 7 and Windows Vista® operating systems
  - 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 card alerts
- Ribbon saver
- Warranties
  - 30-month standard depot warranty
  - 30-month printhead warranty (no pass restrictions)

## CD800 Printer Options

- Two-sided (duplex) printing (field-upgradeable)
- 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
- Smart card personalization (field-upgradeable)
- Contact/contactless all-in-one reader
- iCLASS® by HID, read/write encoder
- Third-party OEM smart card option-ready
- End-user upgradeable options
  - Extended 100-card output hopper
  - Extended 200-card input hopper
  - Kensington® security lock for printer
- Printer cleaning 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)
- 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)
- 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 7 (32 and 64 bit)
  - Windows Vista (32 and 64 bit)
  - Windows XP SP3 (32 bit)
  - Windows Server® 2008 (64 bit)
  - Windows Server 2003 R2 (32 bit)
  - Microsoft Windows Hardware Quality Labs (WHQL) certified
- Agency approvals
  - cULus, FCC, I.C., CE, CTick, VCCI, RoHS, WEEE, ENERGY STAR®, CCC, KCC
- Environment/energy-saving features
  - ENERGY STAR qualified printer
  - 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)

**Datacard**Group

### Corporate Headquarters

11111 Bren Road West  
Minnetonka, Minnesota 55343-9015  
Phone: +1 952 933 1223  
www.datacard.com  
info@datacard.com

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

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