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
- 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)

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
- 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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