

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

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