

DATACARD® SD460™ CARD PRINTER SPECIFICATIONS



SD460™ 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

Variety of bar codes: 1D/2D bar code images

Printer pooling/sharing

Print resolution

300 dots per inch, 256 shades per color panel

Print quality

Ability to conform to sRGB standard

Flexible color management options

Print, lamination and tactile impression speed

Up to 200 cards per hour front side YMCK ribbon with front side lamination

Up to 175 cards per hour front and back side YMCK-K ribbon, back side K with front side lamination

Up to 185 cards per hour (one side print and lamination with tactile) YMCK

Up to 150 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; 100-card output standard

Manual feed: 1-card input; 5-card output for 0.030 in. (0.76 mm) cards

Front exception card slot

Separate reject location and holding tray

Input hopper empty detection

Printer display

Printer status messages

Multiple backlight settings

International languages available: English, Spanish, German, Italian and 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 printer driver

User interface languages available: English, French, German, Italian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Portuguese (Brazil), Russian, Spanish, Romanian, Czech and Polish

User-friendly operation

Printer messages display on LCD panel

Message display on Windows operating system when using the Windows driver

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

SD460 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

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

End-user upgradeable options

Extended 200-card input hopper

Kensington bolt-down security lock

SD460 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

Full-color with resin black and topcoat panel on front, resin black and topcoat panel on back, YMCKT-KT*, 300 images

Resin black with inline double topcoat panel on front, topcoat panel on back, KTT*, 750 images

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* (high quality), 500 images

Resin black HQ* (high quality), 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

SD460 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)

PVC with glossy laminate surface

Select key fob cards (ISO ID-1/CR-80 size cards)

Datacard® StickiCard™ adhesive-backed plastic cards

Card thickness accepted

0.030 in. (0.76 mm) +/- 10%

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 printers

Printer driver CD, Quick Install Guide and warranty

Free ID Works® 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. †Not available in all regions.