

THE SCIENCE OF
**SECURITY
& DURABILITY**

**DATACARD® SD460™ CARD PRINTER
PRODUCT GUIDE**



DatacardGroup

SECURE ID AND CARD PERSONALIZATION SOLUTIONS

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DATACARD® SD460™ CARD PRINTER OVERVIEW

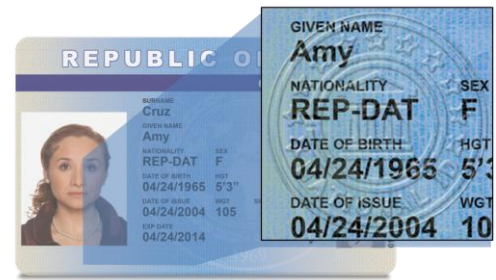
Requirements for instant card issuance are constantly changing as customers look for new ways to increase security, durability and versatility for their cards and credentials. Datacard Group is pleased to announce a number of unique features that will meet those ever-increasing needs! These new features are available in our new SD460 printer. The SD460 printer is built upon the same great technology as the Datacard® SP75 Plus card printer, with added features and functionality that will appeal to most customers. In addition, we have improved the quality and the reliability to make this an industry choice for high quality printing and lamination. Datacard Group is committed to making our channel partners successful by offering the most innovative solutions in the industry. The variety of security and durability features make the SD460 printer the most impressive in the market.

NEW FEATURES

Datacard Group has a wide variety of options to provide the level of security and durability customers require for their ID programs. We have a unique value proposition for our customers, as we have the ability to meet almost any need from a security, durability and aesthetics standpoint to create any card or credential with the new SD460 desktop printer. The SD460 is a single system that encodes, prints and laminates in one pass and allows users to utilize a variety of new features.

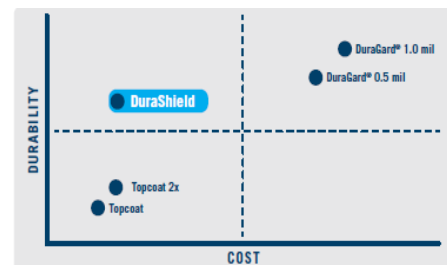
Tactile Impression

Datacard has a unique, patent-pending tactile impression feature that is available as an option with the new SD460 printer. The tactile impression feature creates an impression on the card substrate, adding an additional opportunity for increased security and personalization. The tactile impression process uses special technology and a unique die to create the impression, which differs from the embossing or indenting technology available today. When used with a patch laminate, it makes the card tamper evident and provides an even higher level of security.



Datacard® DuraShield™ Overlay

New DuraShield overlays are a great option that can be used on the new SD460 printer. Unlike any product available today, DuraShield clear and holographic overlay combines long lasting durability with exceptionally low costs over the life of the card. Extensive testing has shown that DuraShield overlay provides 4-times the durability of basic topcoats, with durability near traditional patch laminates.



Additionally, DuraShield overlay contains UV cured coatings that are applied to the card via heated roller application, providing excellent tamper evidence and tamper resistance, as unlike patch laminates, the overlay cannot be removed intact.

Using DuraShield overlays provide additional security and improves card aesthetics. The true edge-to-edge coverage improves the look of the card, and makes them tamper resistant and tamper evident.



Other key features include Datacard® patented Intelligent Supplies Technology™, eco-friendly biodegradable cores and system-tested compatibility with Datacard® desktop card printers. DuraShield overlay can be used with color or monochrome ribbons, but requires the use of a ribbon with a “T” panel.

Debow System

Card aesthetics is very important to customers, and the new debow feature in the SD460 printer ensures the delivery of flatter cards. The cards printed on the SD460 printer meet the latest ISO standards.

Lamination Station

The SD460 comes standard with single sided lamination and optional dual-sided lamination capability. This provides the ability to provide two different types of overlays to the front and back of the card to meet specific customer needs.

MARKET OPPORTUNITIES

With increased emphasis on security throughout the world requiring an integrated secure identification solution, the SD460 printer delivers all the needed features and functionality to design a successful card program

- The SD460 printer is specifically designed for those applications and/or markets that require any of the following:
 - Physical card security
 - Extended card life
 - Secure printing environment
 - High level of quality and reliability
 - A complete solution incorporating hardware, software and supplies

The SD460 printer is feature rich yet competitively priced, that opens up to new market opportunities. The SD460 printer is ideal for:

- Corporate ID and Access Control
- Universities, Colleges and Higher Education
- State, Local or Municipal Government Authorities
- Ministry of Defense
- Emergency Services: Police, Fire, and Ambulance Services
- Healthcare – Staff ID cards, admissions and health savings account
- Bureaus – Outsource services and support and augment card replacement programs

The SD460 printer should be targeted toward any customer that is looking for enhanced security and durability features for their card program.

SD460 PRINTER FEATURES

The SD460 has the same standard features that make it a reliable choice for any card printing needs.

- **Single hopper** – The single input hopper has a capacity of 100 cards with an additional exception card feed slot. An optional 200 card input hopper is available.
- **Magnetic Strip Encoding (Optional)** – magnetic strip encoding to the ISO 7811 with Hi and Lo Coercivity
- **Dual contact/contactless single-wire smart card encoder (Optional)** – The encoder allows for one network connection going into the SD460 printer, which lets the printer and smart card communicate through a single network connection with encoding to ISO 15693, ISO 7816 and ISO 14443 A/B
- **Dual contact/contactless two wire smart card encoder (Optional)** – The encoder allows for two wire connection going into the SD460 printer, which lets the printer and smart card encoding to communicate through their own network connection with encoding to ISO7816 and ISO 74443, A/B
- **Easy printer setup** – Windows Driver supports Microsoft® Windows® XP®, 7 & 8 operating systems
- **Standard LCD display panel on printer** – provides system status, 2-line LCD displays warnings, error message and current system status and access to menu subsystems.
- **Kensington® Style Lock bracket (Optional)** – hardware lock to allow system to be physically locked to a desk or table
- **Printer manager** – Web based printer manager is used for printer configuration and diagnostics

OPTIONAL TACTILE IMPRESSION FEATURE

The new patent-pending tactile impression feature is available as an option with the new SD460 printer. There are two components to the tactile impression feature: the tactile impressor module (hardware) and the tactile impression die (supply).

If a tactile impression feature is desired, then the tactile impressor module should be ordered with the SD460 printer.

Customers will then have the option to purchase one of the generic tactile impression designs that are available, or have the ability to create a unique, custom design specific for their ID card opportunity. The tactile impressions can contain text, logos, and outlines of images that will vary in design and complexity.

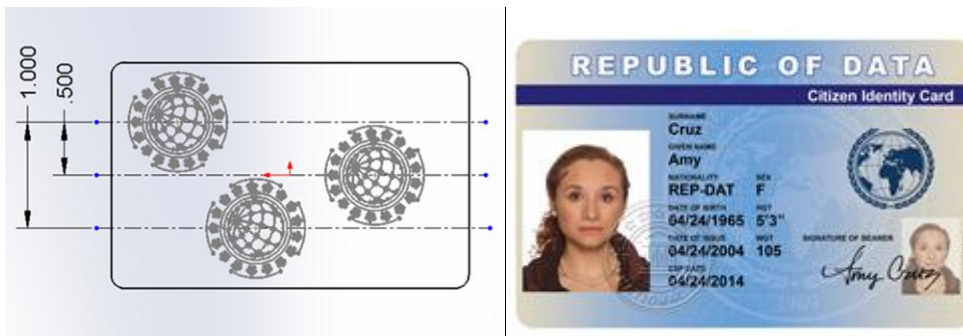
The laminator will ship with a stock Datacard “D” alpha character. Then, upon receipt of the generic or custom tactile impression ordered, the channel partner will replace the stock “D” tactile impression die prior to shipment to the customer.

Tactile Impression Positioning

The tactile impression can be placed in various positions on the cards, and can be impressed multiple times on a single card.

There are some key considerations when designing a card with the tactile impression feature:

- Position over the Mag Stripe and antenna chip should be avoided
- Following design best practices outlined on the **Tactile Impression Guide** will be critical. For example orientation of the card layout and impresser die feature is critical in order to ensure the proper portrait or landscape design layout is obtained.



- The impression can be made in three distinct areas vertically in the card, but can be moved across the card horizontally and impressed where desired.
- There are specific regions for imprinting set in the print manager. Refer to product guide for information on changing the settings.

Generic Tactile Impressions

Datacard Group will have several generic tactile impressions to choose from. The artwork below shows a variety of examples of potential tactile impressions.



Custom Tactile Impression Origination Process

The process for requesting a custom impression die will be very similar to that for custom holographic overlays. A Datacard® Certified Supplies custom tactile impression guide and order form will be available on PartnerPageSM, outlining the various grades, guidelines for placement of the impression in the design of the card.

The tactile impression feature is a great opportunity to increase security and personalization.

CONSUMABLE SUPPLIES OVERVIEW

Protect your investment by using Datacard Certified Supplies. We engineer superior performance and reliability into every system-matched supply item we offer. For you, that means smooth printing, brilliant image quality, high security and exceptional performance. Worldwide representation creates a fast, direct connection with the supplies and support you need, when and where you need them.

The SD460 printer utilizes the same ribbons as the SP75 Plus printer and other printers in the SD series, providing increased flexibility.

COLOR RIBBON KITS

Ribbon kits include one roll of ribbon, one isopropanol cleaning card, and one adhesive cleaning sleeve. These three items are contained in a Datacard® branded box, complete with loading instructions and other important information.

Color Ribbon comparison for SP75 Plus and SD460 Printers

Color Photo Ribbons	Approx. Yield	SP75	SD460
		Lam/Duplex	Lam/Duplex
YMCK, Full Panel Color Ribbon Kit (Yellow, Magenta, Cyan & Black)	500 cards	•	•
YMCKT, Full Panel Color Ribbon Kit (Yellow, Magenta, Cyan & Black With In-line Topcoat)	250 cards	•	•
YMCKT, Full Panel Color Ribbon Kit (Yellow, Magenta, Cyan & Black With In-line Topcoat)	500 cards	•	•
ymcKT, Short Panel color ribbon kit (1/2 panel Yellow, Magenta, Cyan, With Full Panel Black & In-line Topcoat)	650 cards	•	•
YMCK-K, Full Panel Color Ribbon Kit (Yellow, Magenta, Cyan & Black, With Black on Back for Duplex Printing)	500 cards	•	•
YMCKT-K, Full Panel Color Ribbon Kit (Yellow, Magenta, Cyan & Black With In-line Topcoat, and Black on Back for Duplex Printing)	375 cards	•	•
YMCKT-KT, Full Panel Color Ribbon Kit (Yellow, Magenta, Cyan & Black With In-line Topcoat, and Black With In-line Topcoat on Back for Duplex Printing)	300 cards	•	•
YMCKF-KT, Full Panel Color Ribbon Kit (Yellow, Magenta, Cyan & Black With UV, and Black With In-line Topcoat on Back for Duplex Printing)	300 cards	•	•
KT, Full Panel Black Ribbon Kit Black With In-line Topcoat	1,000 cards	•	•
KTT, Full Panel Black Ribbon Kit Black With Two Panels of In-line Topcoat for Added Durability	750 cards	•	•

MONOCHROME RIBBON KITS

Each ribbon kit contains one roll of monochrome ribbon, one adhesive cleaning sleeve, and one isopropanol cleaning card.

Monochrome Ribbon comparison for SP75 Plus and SD460 Printers

Monochrome Graphics ribbons	Approx. Yield	SP75	SD460
		Lam/Duplex	Lam/Duplex
Black	1500 cards	•	
Black HQ (high quality)	1,500 cards	•	•
White	1,500 Cards	•	•
Red	1,500 Cards	•	•
Green	1,500 Cards	•	•
Silver	1,500 Cards	•	•
Gold	1,500 Cards	•	•
Dark Blue	1,500 Cards	•	•
Metallic Silver	1,500 Cards	•	•
Metallic Gold	1,500 Cards	•	•
Scratch-off (Silver Wavy)	1,500 Cards	•	•

Refer to the SD460™ Printer & Laminating Supplies Data Sheet for the most current information on ribbons, durability and security supplies.

LAMINATE OVERVIEW

The SD460 printer has an option for either one or two laminators, both capable of running the new DuraShield™ Clear and Holographic Overlays, Datacard® DuraGard® Clear and Holographic Laminates, and Clear or Holographic Topcoats. Two laminators allow customers to use two different durability or security products, as well as provide front and back lamination. When upgrading to the SD460 printer, any custom holographic laminates will have to be replaced with those designed for the SD460 laminator.

Overlays	Near Edge	Edge to Edge	Full Card	Smart Card	Mag Stripe	Clear	Custom Holo	Thickness	Requires T panel in Ribbon to apply Overlay
Topcoat	N	Y	Y	N	N	Y	Y	0.08 mil-0.1 mil	N
DuraShield	N	Y	Y	N	N	Y	Y	0.4 mil	Y
DuraGard	Y	N	Y	Y	Y	Y	Y	0.5 mil-1.0 mil	N

Refer to the SD460™ Printer & Laminating Supplies Data Sheet for the most current information on ribbons, durability and security supplies.

REPLACEMENT PRINTHEADS

As with the SP75 Plus printer, the SD460 printer has been optimized so one print head can be used to accomplish both color and monochrome printing. The same print head can be used in the SP75, SP75 Plus printer and SD460 printer.

CLEANING SUPPLIES

The cleaning system for the SD460 card printer includes a user replaceable adhesive cleaning sleeve to clean the cards prior to and after each printing. An isopropanol cleaning card is also used to clean the card transport rollers and the optional magnetic stripe head. Datacard Group also offers an adhesive cleaning card for use in the laminators. This cleaning card is only required with topcoat and or DuraShield Overlay products to optimize the quality of lamination.

The SD460 printer requires the use of the following cleaning supplies for regular preventative maintenance:

- + New Enhanced Adhesive Cleaning Sleeve
- + Isopropanol Cleaning Card
- + Adhesive Cleaning Card
- + Cleaning Swab

The adhesive cleaning sleeve and isopropanol cleaning card are included in all ribbon kits. Additionally, the cleaning accessories noted above are also available in convenient 5 and 10 packs.

Distinctive Blue Core with Platinum Flecks®

To ensure you are using Datacard® Certified Supplies, look for ribbons, laminates and topcoats that feature our distinctive **blue** core with platinum flecks®. The color blue with platinum flecks mark is a registered trademark of DataCard Corporation in the United States and/or other countries. In addition to the Datacard supplies trademarked distinctive **blue** cores with platinum flecks®, the laminate supplies will now contain cores that are color matched to the lamination spindles within the laminator, enabling intuitive and easy installation.

NEW! Color Coded Laminate Cores and Spindles

In addition to the Datacard supplies trademarked distinctive **blue** cores with platinum flecks®, the laminate supplies will now contain cores that are color matched to the lamination spindles within the laminator, enabling intuitive and easy installation. Soon, all Datacard SD supplies will transition to the new distinctive **blue** core with platinum flecks, now combined with a solid platinum colored core. The distinctive **blue** core with platinum flecks mark is a registered trademark of DataCard Corporation in the United States and/or other countries.

Datacard Certified Supplies Featuring Intelligent Supplies Technology™

The SD460 printer features Datacard® proprietary ribbons, laminates and topcoats, which are designed specifically for use in Datacard series card printers. When the printer recognizes that a Datacard® supply is installed, all enhanced product features are enabled and successful card printing can begin. Datacard proprietary ribbons enable all enhanced product features that help you print high-quality cards more easily. When a genuine Datacard ribbon is loaded into an SD Series card printer, the driver automatically adjusts printer settings to match the ribbon type and helps ensure the best possible image quality on the cards. The printer and supplies then collectively track ribbon consumption and notify you of an upcoming ribbon replacement.

The printer will only print color images and laminate cards when Datacard® proprietary supplies are installed. Datacard Group is your exclusive source for proprietary ribbons for the SD460 card printers.

Environmentally Conscious Supplies, Featuring Extreme Ribbon Conservation & EcoPure® Bio-degradable Cores

The SD Series printing technology can help eliminate waste with the ribbon saver feature. When printing with genuine Datacard monochrome panel ribbons, the printer advances the ribbon just enough to print the image. Datacard color panel ribbons save one complete panel set during each initialization, while Datacard monochrome ribbons can potentially double and triple the standard yield. To help you reduce waste and help the environment, Datacard ribbon cores are now biodegradable and engineered with EcoPure® additive. These new cores offer the same life cycle, performance and reliability as the previous cores.

BID SPECIFICATIONS

The following are the standard specifications of the SD460 card printer. Use this information when bidding the Datacard SD460 card printer and supplies for any new or ongoing programs.

SD460 Printer Standard Features

- Single sided or dual sided edge-to-edge printing
- Single sided laminator with dual side lamination
- Full color or monochrome printing
- Up to 200 cards per hour front side YMCK ribbon with front side lamination
- Up to 175 cards per hour front side YMCK-K ribbon, back side K with front side lamination
- USB Cable Connection, Ethernet support, 10/100 Base-T Ethernet
- Input hopper holds 100 - .030 in. (.76mm) cards (200 card hopper optional)
- Output hopper holds 100 - .030 in. (.76mm) cards
- LCD printer panel
- Audible and visual message prompts
- Automatic card feed
- Operator-replaceable print heads
- Field replaceable laminate and topcoat cartridges

Standard Specifications

- Print capabilities:
 - Edge-to-edge printing
 - Continuous-tone, full-color, black-and-white photos
 - Alphanumeric text, logos and digitized signatures
 - Variety of bar codes
 - Background patterns
- Lamination and topcoat capabilities
 - Lamination and duplex standard + Second laminator option
 - Topcoat, DuraShield Overlay, or DuraGard patch in any laminator
 - Printer automatically adapts to supply type
 - Superior coverage with edge-to-edge DuraShield Overlay
 - Largest DuraGard patch coverage, providing 95% card coverage
- Print resolution: 300 dots-per-inch (dpi)
- Electrical requirements: Dual voltage-auto sensing
 - 100/120V, 50/60 Hz
 - 220/240V, 50/60 Hz
- Communications: Bidirectional USB, Ethernet

- Plastic cards accepted:
 - Size: 3.370 in. x 2.125 in. (85.6mm) x (53.98mm)
 - Type: PVC with glossy laminate surface; other core materials with PVC overlaminates are optional
- Resident memory: 2GB
- Climate Conditions
 - 60 to 95 degrees F (15°C to 35°C)
 - 20% to 80% non-condensing humidity
- Storage Conditions
 - 5°F to 140°F (-15°C to 60°C)
 - 10% to 90% - Humidity

V5.0 SD460 Printer Windows driver

- Support for color, monochrome, and UV printing; magnetic stripe read and encode; smart card and lamination
 - Printing automatically adjusted to match printer supplies and installed options.
- Split ribbon configuration supported:
 - YMCT-K, YMC-KT, K-YMCT, KT-YMCKT, K-YMCKT, YMC-K, K-YMC
- Pre-set area to block printing on magnetic stripe, with escapes for custom areas.
- Preferences and escapes for control of lamination, debow, and impresser.
- Support for encrypted communication between driver and printer.
- Software Development Kit (SDK) for Windows printer driver using built-in Windows interface. No additional files required.
- Printer status, supplies status, and card counts shown in driver user interface.
- Driver languages: English, Spanish, German, Italian, Japanese, Simplified Chinese, Traditional Chinese, Portuguese, Korean, Polish, Russian, Romanian, and Czech
- Operating system support for printer driver
 - Windows 8, 32- and 64-bit
 - Windows 7, 32- and 64-bit
 - Windows XP with SP3, 32-bit
 - Windows 2003 R2 Server, 32-bit
 - Windows 2008 Server 64-bit
 - Windows 2008 R2 Server, 64-bit
 - Windows 2012 Server 64-bit

Physical dimensions-SD460

- L1
 - Dimensions: 23.2in X 10.6in X 20.2in (589mm X 270mm X 513mm)
 - Weight: 29.92 lbs. (13.6kg)
- L1+L2
 - Dimensions: 23.2in X 10.6in X 20.2in (589mm X 270mm X 513mm)
 - Weight: 32.78 lbs. (14.9kg)
- L1+L2+Impresser
 - Dimensions: 26.6in X 10.6in X 20.2in (675mm X 270mm X 513mm)
 - Weight: 36.96 lbs. (16.8kg)

Agency Approvals

- **Printer:** UL, cUL, FCC, IC, CE, VCCI, C-Tick, CCC, KC, RoHS (EU and China)
- **Laminator:** UL, cUL, FCC, IC, CE, VCCI, RCM, RoHS (EU and China)

Government Approval

- FIPS 201-pending

Options

- Dual laminator factory fitted option
- ISO Magnetic stripe encoding
 - IAT/JIS capable
 - Dual high and low coercivity
 - Tracks 1,2 and 3 (1 track for NTT)
- Smart card personalization
 - SCM Dual Contact/contactless all-in-one reader
 - Dual Contact/contactless all-in-one reader
 - Third party contact integration kit
 - Third party contactless integration kit
 - Contact station
 - iCLASS by HID
 - Prox by HID
- Magnetic stripe and smart card field upgradability
- L2 laminator field upgrade
- Tactile impression field upgradable
- High capacity 200 card input hopper
- Overlay cartridge assemblies
- Replacement print heads

FREQUENTLY ASKED QUESTIONS

GENERAL

Q. What is the print speed of the SD460 printer?

A. The print speed for the SD460 printer is:

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

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

Q: What standards does the magnetic stripe encoder support?

A: The magnetic stripe encoder supports ISO 7811 standards and high- and low-coercivity.

Q: What encoding protocols are supported by the smart card encoder?

A: The encoder supports ISO 14443 A/B and ISO 7816 protocols.

Q. Is the SD460 printer field upgradeable?

A. The SD460 printer is field upgradeable for magnetic stripe encoding, smart card options, the L2 lamination module and 200 card input hopper by a Datacard authorized service representative or a trained Datacard Channel Partner; however, the Standard Lamination Module as a whole is not field upgradeable.

Q: Is there an option for an extended input hopper? And is it field upgradeable?

A: Yes, there is a 200 input hopper option available.

Q. How many cards can the Output Hopper hold?

A. 100.

Q. What communication interfaces will the SD460 printer support?

A. USB and Ethernet connectivity are supported.

Q. What driver does the SD460 printer use?

A. The SD460 printer and Standard Lamination Module use driver version 5.0.

Q. Is there a reject bin in the laminator?

A. Yes – it holds up to 10 cards.

Q. How does the card debower work and can it be adjusted?

A. The card debower holds the card in a position to reduce the bow in the card. You can turn the debower off via settings in the printer driver.

Q: Is the tactile impression field upgradeable?

A: Yes, this can be purchased later, and can be upgraded in the field by a Datacard authorized service representative or a trained Datacard Channel Partner.

Q: Does a user need access to the internet or a network in order to use the Printer Manager?

A: Yes, you need to have a browser connection.

Q: What are the power requirements?

A: The SD460 printer requires 100-240V, 50/60 Hz.

Q: What operating systems support the SD460 printer?

A: The SD460 printer is supported by the following Microsoft operating systems: Windows 8 (32/64 bit), Windows 7 (32/64 bit), Windows XP with SP3 (32 bit), Windows 2003 R2 Server (32 bit), Windows 2008 R2 Server (64 bit), Windows 2012 Server (64 bit).

Q: Is smart card encoding field upgradeable for the SD460 printer?

A: Yes, smart card encoding can be upgraded in the field by a Datacard authorized service representative or a trained Datacard Channel Partner.

Q: Can the SD460 Standard Lamination Module be used as a standalone laminator?

A: No, the SD460 SLM must be attached to a SD460 printer in order to work.

Q. Can the SD460 laminate without printing?

A: Yes.

Q. Can the SD460 create a tactile impression without printing or laminating?

A: Yes.

Q: Where is the diagnostic program located?

A: The diagnostic tools are now built into the SD460 printer and are accessible through the browser-based Print Manager.

Q: Are two different printheads needed to support color printing and monochrome printing?

A: No, a single printhead produces excellent print results for both color and monochrome printed cards.

SUPPLIES

Q: Is DuraShield overlay a laminate patch?

A: No. DuraShield clear overlay is a coated polyester film that provides true edge-to-edge protection for ID-1 card substrates.

Q: Can DuraShield overlay be used with non PVC composite cards?

A: PVC Composite cards are recommended to improve aesthetics and avoid card warping and flash.

Q: Can DuraShield overlay be used with a chip card?

A: : At this time, DuraShield can't be used with a chip card. However, a version of DuraShield with a cutout for chip cards is in development.

Q: Can DuraShield overlay be used with non "T" panel supplies?

A: No; DuraShield clear overlay has been formulated and tested to work with our patented Datacard supplies with "T" panel only.

Q: Is there an option for a custom impression?

A: Yes. We will have guidelines available to help design a custom impression die available on PartnerPageSM under the corresponding supply section.

Q: How do I order a custom impression?

A: Please refer to the Datacard® Certified Supplies Custom Tactile Impression Order Form on PartnerPageSM.

Q: Will there be an origination fee for a custom impression?

A: Yes. Please refer to your Price Books on PartnerPageSM.

Q: What is the lead time for a custom impression?

A: The generic impressions will be stocked and available for shipment. Custom impression lead times are approximately 3-4 weeks after design approval and receipt of order.

Q: Will the generic or custom impression be factory installed and shipped with the printer?

A: Customers will have an option to have the custom impression die installed by Datacard (for a fee) or shipped separately.

SOFTWARE

Q: What Datacard® software supports the SD460 printer?

A: Datacard® ID Works® and IDCentre® software and their software families support SD460 printers.

SERVICE & SUPPORT

Q: What is the warranty for the SD460 printer?

A: The SD460 card printer has a 30 month warranty for both the printer and printhead. Complete warranty details can be found on PartnerPageSM.

Q: What service and support is available for the SD460 printer?

A: Please see the Service Announcement on PartnerPageSM for all service options.

Q: What training is available for the SD460 printer?

A: There is a training setup specifically for the CLM and SLM laminators, under code: TE1157. Other training opportunities are available to Datacard colleagues on PartnerPageSM through e-learning, training webinars and direct customer presentations. Contact your regional service and support teams for more information.

ORDERING

Q: How do I order an SD460 printer?

A: Please refer to Orders and Pricing on PartnerPageSM, or contact your regional customer service representative, sales manager or sales support representative.

Q: When will I be able to place orders for the SD460 printer?

A: March 1st, 2014.

Q: How do I order a SD460 printer demo package?

A: To order a SD460 printer demo package, please see the ID Solutions Demo Program Overview and Request Form on PartnerPageSM.

ORDERING AND PRICING INFORMATION

Pricing information will be distributed via the normal process. Refer to PartnerPage for detailed information. We will be adding the SD460 to our demo promotion program which is offered to all our distribution channels. Please use the normal process to order your demo units.

MARKETING COLLATERAL

For more information on the SD460 card printer, the following information will be available on PartnerPageSM.

- SD460 Card Presenter Brochure
- SD460 Datasheet
- SD460 Channel Partner Presentation
- SD460 Sales Presentation
- The Science of Security and Durability video
- SD460 Web Messaging
- SD460 Printer and Supply Images
- ID Solutions Guide-Updated to include SD460

IMPORTANT DATES

Channel Partner Sales Training Webcast	November 12 th & 13 th , 2013
Marketing Materials Available via PartnerPage.com	November 19 th , 2013
Official Public Product Launch – Cartes Paris	November 19 th , 2013
Datacard.com end user information available	November 19 th , 2013
Channel Partner Update Webcast	February 26 th , 2014
Price Pages available via PartnerPage.com	March 1 st , 2014
Available to order	March 1 st , 2014
Demo Program	March 1 st , 2014
Product Shipments Begin (subject to availability)	April, 2014
Durashield Holographic Available	Q4, 2014

PRODUCT SPOTLIGHT STATEMENTS

The following positioning statements have been provided to help in the creation of web content, sales proposals, and other sales/marketing content that you may need to provide.

Power Statement

The new Datacard® SD460™ card printer with inline lamination module is the solution you've been waiting for — stronger security, more durable cards at a cost you can afford.

50-Word Positioning

The impact of security breaches presents an imposing threat for commercial enterprises — which places critical importance on employee and student ID programs. The new Datacard® SD460™ card printer empowers security-minded enterprises in important new ways with a variety of technologies, including high-performance laminates and an entirely new tactile impression personalization feature. The result is stronger security and cost-saving card durability.

100-Word Positioning

The impact of security breaches presents an imposing threat for commercial enterprises — which places critical importance on employee and student ID programs. The new Datacard® SD460™ card printer empowers security-minded enterprises in important new ways with a variety of technologies, including high-performance laminates and an entirely new tactile impression personalization feature. This single system prints, encodes and laminates in one pass so issuers can cost-effectively add security features, including smart card chips and edge-to-edge overlays that substantially extend card life. Combined with Datacard® software, supplies and service, commercial issuers have a reliable, solution for incorporating more security and durability into their card programs.

COMPETITIVE ANALYSIS

We have developed a competitive comparison for the SD460 laminating printer. This competitive comparison can be access on PartnerPage.

	Zebra ZXP Series 7 Card Printer	Fargo DTC4500	Evolis Securion	Datacard® SD460™ Card Printer	Benefit
GENERAL					
Print Technology	Dye-sublimation/Resin thermal transfer	Dye sublimation/resin thermal transfer	Dye-sublimation/Resin thermal transfer	Dye-sublimation/Resin thermal transfer	
Print Resolution	300 dpi	300 dpi	300 dpi	300 dpi	
Print Options	Single or dual-Sided	Single or dual-sided	Single or dual-sided	Single or dual-sided	All in one printer
Lamination Options	Single or dual-Sided	Single or dual-sided	Single	Single or dual-sided	Print, encode and laminate all in one pass! Offering customers the ability to apply two different overlays in one pass
Field Upgrade Modularity	Yes	Yes	No	Yes	
MSRP	\$6495 L1 \$7495 L2	\$5699 L1 \$6699 L2	\$6490 L1	\$5680 L1 \$6680 L2	Most competitive printer on the market
Printer/Printerhead Warranty	24 months	24 months	24 months	30 months	20% Longer
Operating Systems	Windows 7 (32 and 64 bit), Vista (32 and 64 bit), XP (32 bit), Windows Server 2008 (32 and 64 bit), Server 2003 (32 bit)	Windows XP, Windows 7, Vista (32 and 64 bit), Windows Server 2003 & 2008, MAC OS X (10.5 and 10.6), Linux	Windows 8, 7, Vista (32/64 bit), XP SP3, Mac OS X (10.5 onwards), Linux	Windows 8, 7 (32/64 bit), XP SP3 (32 bit), Windows Server 2012 (64 bit), 2008 (64 bit), 2003 (32 bit)	
PHYSICAL CHARACTERISTICS					
Dimensions (H x L x W)	12" x 10.9" x 38" (30.6 x 27.7 x 96.4 cm)	18.9" x 9.2" x 18.7" (48.0 x 23.4 x 47.5 cm)	10.81" x 10.32" x 25.91" (27.5 x 26.2 x 65.8 cm)	20.2" x 23.2" x 10.6" (51.3 x 58.9 x 26.9 cm)	Small footprint
Weight	39.5 lbs (17.9 kg)	20 lbs (9.1 kg)	33.15 lbs (15.4 kg)	29.92 lbs (13.6 kg)	
SPEED					
Up to: Cards/Hour - Single sided YMCK printing with single sided lamination	270	N/A	95 - 120	200	Improved throughput for large batch issuance vs. previous laminating printers
Up to: Cards/Hour - Dual sided YMCK-K printing with single sided lamination	200	N/A	85 - 105	175	
CARDS					
Card Input Hopper Capacity	200	200	100	100 (Up to 200)	Less Intervention
Card Output Hopper Capacity	100	100	100	100	
Reject Hopper Capacity	15	100	15	10	
OPTIONS					
ISO Magnetic Stripe Encoding	Yes	Yes	Yes	Yes	
Contact and Contactless Smart Card Encoding	Yes	Yes	Yes	Yes	
Integration Kit for 3rd-party Encoding Options	N/A	No	Yes	Yes	
Connectivity	USB and Ethernet	USB and Ethernet	USB and Ethernet	USB and Ethernet	
Printer Driver SDK	Yes	No	No	Yes	
Software Available	CardStudio™	Swift ID™	eMedia Card Designer	ID Works®	Modular software for photo ID card design and production
Encryption	No	No	No	Yes	Secure printer communication
Tactile Security Impression	No	No	No	Yes	Security feature helping protect against alterations, counterfeit cards and creates tear evidence
0.4 mil protective, edge to edge, Overlay	Yes	Yes	Yes	Yes	DuraShield™ - providing greater durability with edge to edge coverage
Debow System	No	No	No	Yes	Flatter cards - meeting ISO spec

ADDITIONAL INFORMATION

Please contact your sales manager or sales support representative for more information on SD460 printer and supplies.

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