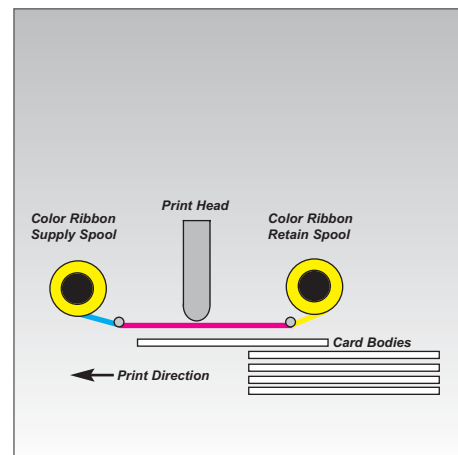


EDIsecure®

Printer Program



Value Line



Card Solutions - an increasing market

Over the past few years, all kinds of personalized plastic cards have become a substantial part of daily life for everyone: the membership card of your local sports club; the loyalty card for the supermarket, the pharmacy and the book club; the VIP badge for the last event you visited; the guarantee card for your new car; the access card at the company for which you work... the fields of application are unlimited.

Never before has it been so easy to participate in this market. After many years of field experience, the purchase costs for a printer using proven Direct-Card printing technology have fallen steadily to a very affordable level. So also, have the operating costs for consumables like color ribbons and blank cards. During this trend, Direct-Card printers have gotten smaller and are now available as real desktop solutions in a smart office design. At the same time, print speed and quality have increased significantly while the operation has simplified dramatically.

All of our EDIsecure® Value Line Direct-Card printers come as a simple plug-and-play device supported by a powerful printer driver running under current Windows™ operating systems. We also offer a wide range of user-friendly EDIsecure® Card Management Software solutions to support you from the design of your card layout and the input of personal data to the routing of the print job. Please see the separate EDIsecure® Card Management Software brochure for further details.

Field support is barely necessary any more as simple tasks such as loading the card stock or changing a color ribbon are incredibly easy due to a convenient card dispenser and automatic ribbon detection. Even the print heads are user-replaceable.

Long term warranties and upgradeable encoding options help to protect your investment against increasing demands for payment and billing systems, access control or other kind of authorizations.

As a result of these factors, every EDIsecure® Value Line Direct-Card Printer is an affordable solution for ID card production and issuance. The EDIsecure® Value Line Printers are particularly attractive for institutions like clubs, health care centers and small to mid-sized organizations.

Direct-Card-Printing technology

Direct-Card-Printing technology is most commonly used in desktop ID systems to print images directly onto the surface of a plastic card. This process of dye sublimation printing uses a dye-based ribbon that is partitioned into a number of consecutive color panels. The panels are grouped in a repeating series of colors – Yellow, Magenta, Cyan, and a Carbon (or Resin) Black (YMCK) – along the length of the ribbon. During printing, a print head containing hundreds of thermal elements heats the dyes on the ribbon, which vaporize and permeate the surface of the card. A separate pass is made for each of the three dye-sub color panels. By combining the colors and varying the heat used to transfer them, the printer is able to produce up to 16.7 million colors.

If you want to print sharp black text and crisp bar codes, which can be read by both infrared and visible-light scanners, you should use the resin thermal transfer method. This process transfers images with the monochrome, carbon black ribbon panel in a way similar to the dye sublimation process. Instead of the color dispersing into the card surface, the resin or carbon black is transferred directly onto the card surface as opaque dots.



EDIsecure® DCP 100

The single-side, edge-to-edge, *EDIsecure®* DCP 100 Direct-Card Printer is the simplest introduction to the world of ID badge production. It is designed for flexible, low volume applications like club cards or visitor badges. Easy handling allows you to start operations right away whether it is your first experience with badge production or not. Further advantages include its very small footprint and the amazing list price, plus its low cost of operation.

Speed and ease of use

The plug-and-play *EDIsecure®* DCP 100 Direct-Card Printer allows you to print a card within 30 seconds. The cards are front-loaded manually one at a time, and a convenient card dispenser helps to keep the blank cards dust-free, so you can receive colorful, scratch-free prints. For extended functionality of your badges, an integrated magnetic stripe encoder is also offered as a separate option.

This printer is also available as a bundled system, with a Web Camera to capture the cardholders' images, and the *EDIsecure®* Card Management Software Standard edition to bring the data, image and card layout together. Also, a starter kit of supplies, consisting of 50 PVC cards and a color ribbon cartridge for 100 full-color cards, is included in this package. This bundled system provides you with a real ready-to-go solution for ID badge production.

EDIsecure® DCP 240

The single-side, edge-to-edge, *EDIsecure®* DCP 240 Direct-Card Printer is a great option for easy introduction to the world of ID card printing. Membership cards, loyalty and gift cards or other medium-volume card programs can be done easily and budget friendly with this printer. As an ideal desktop solution, it comes in a pleasant desktop design with compact dimensions. Of course, it is its quiet performance that makes it the perfect printer for your busy day. The combination of these qualities plus the attractive price transforms the *EDIsecure®* DCP 240 Direct-Card Printer into the most superior single-side card printer in its class.

Speed and ease of use

The *EDIsecure®* DCP 240 Direct-Card Printer provides a remarkable output capacity. It can print up to 120 full-color cards and up to 500 monochrome cards per hour. For a steady workflow, one hundred standard CR80 30 mil cards can be loaded into the front-facing input hopper while the output hopper can receive up to twenty cards. Operating the printer is easy and convenient due to the quick change of supplies through re-loadable cartridges and a user-replaceable print head. The smart printer driver supports the user with clearly understandable and intuitive menu dialogues. All of the information you need about the print job is displayed on screen - including message prompts, recovery instructions, color image previews and online help.

EDIsecure® DCP 340

The double-side *EDIsecure®* DCP 340 Direct-Card Printer is the perfect solution for entering the world of ID card printing for medium to higher volume applications. High quality edge-to-edge printing results in attractive cards with a professional look. The reliable printer engine is covered by a smart office design in fashionable silver. With this high class design and small footprint, it fits perfectly on every desk. Best of all, it is very quiet. This versatile printer also comes at a very attractive price.

Speed and ease of use

The print speed of the *EDIsecure®* DCP 340 Direct-Card Printer is among the highest in its class. It can print up to 180 full-color single-side cards per hour when using a YMCKOP ribbon. With our monochrome black ribbons, the output can go up to 700 single-side cards per hour. Easy operator use is guaranteed by the quick change of supplies through re-loadable cartridges, user-replaceable print heads, front-facing input and output hoppers and continuous card cleaning. The innovative printer driver provides all of the information you need: user-adjustable image controls, diagnostic capabilities, color image previewing, test card previewing and online help. One hundred standard CR80 30 mil cards can be loaded into the front-facing input hopper while forty cards can be received by the output hopper.



Consumables

All EDIsecure® Value Line Direct-Card printers possess automatic ribbon detection to make the change of a color ribbon as easy as possible. After insertion of a color ribbon, the printer automatically detects its type and adjusts for the correct settings.

Available color ribbon types:

- Monochrome true black ribbon K (With the DCP100, it lasts for 500 prints, while with the DCP 240 and the DCP 340, it lasts for 1,500 printed cards and comes with ribbon optimizer function so it can last even up to two times more.)
- 5 patch color ribbon Y/M/C/K/OP (With the DCP 100, it lasts for 100 printed cards, while with the DCP 240 and the DCP 340, it lasts for 500 printed cards.)
- 7 patch color ribbon Y/M/C/K/OP/K/OP (It is only available for the EDIsecure® DCP 340 and lasts for up to 300 printed cards.)

EDIsecure® Value Line Feature List

	DCP 100	DCP 240	DCP 340
300 dpi resolution:	●	●	●
Printable area:	edge-to-edge	edge-to-edge	edge-to-edge
Single-sided print:	●	●	
Double-sided print:	○	○	●
Printable materials:	PVC, PVH	PVC, PVH	PVC, PVH
Print speed (single-sided, full-color card):	100/h	120/h	up to 180/h
PC Interface:	USB	USB	USB
Resident Memory:	2 MB	8 MB	16 MB
Printer Driver:	Windows 98, Me, NT, 2000 and XP	Windows 98 2nd Edition, ME, 2000 and XP	Windows 98 2nd Edition, ME, 2000 and XP
Printhead:	Operator-replaceable 12 months warranty, 10,000 color patches limitation on counts using EDIsecure® Cards	Operator-replaceable 18 months warranty, no limitation on counts using EDIsecure® Cards	Operator-replaceable 18 months warranty, no limitation on counts using EDIsecure® Cards
Encoding options:			
Magnetic Encoding	○	○	○
Contact Chip Encoding	—	—	—
Contactless Encoding (Legic/Mifare/HID)	—	—	—
Printer Dimensions in mm (HxWxD):	200 x 175 x 211	229 x 198 x 419	241 x 198 x 546
Weight:	3.2 kg	approx. 3.6 kg	approx. 5.3 kg

— not available ○ optional available ● available

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