Feel the precise printer solution from the **SMART-50 Series**

COLOR MONO UV U V LAMINATE Dual Side

Laminating ID CARD PRINTER

SMART-50L



The high quality of lamination printing for high security ID cards!

SMART-50L printer produces long-life cards for ID and access control with customizable security features and ability to print smart cards.

To cater to expanding requirement in card security, SMART-50L DLW (Direct Laminating in a Wink) technology provides the most stable & fast laminating solutions. When it come to security and durability, SMART-50L provides premium protection for ID card.

Requires high security of ID cards:

- National ID card
- Government & Military ID card
- High security access control ID card
- Law enforcement & correctional facility ID card
- Driver license
- Airport ID card



FEATURES

- Single or Dual Sided Printing & Laminating
- Instant Direct Heating Lamination *patent
- Printing & Laminating Speed: 23 sec./card (YMCK & Lamination)
- 300dpi with Edge-to-Edge Printing
- 50S & 50D Field Upgradable to 50L
- 2 Lines LCD with 2 LED Buttons for Front Operation
- Holographic Lamination for Visual Security & Card Durability
- Installable Encoders: MS, Contact & Contactless, SIM
- Upgradable Modules: Ethernet

ISSUANCE

SMART Applications ensure proper card issuance and data management with SMART series printers at no extra cost.

SMART Design
- Design and Print (Images, Photos, Texts, etc.)
- 1D & 2D Barcode printing
- Auto portrait (Auto face detection & adjustment of size & position)

SMART DB
- Convenient issuance of cards and data management
- Supports ODBC (Open Database Connectivity)
- Magnetic stripe (MS), contact & contactless smart card encoding by using plug-in program

SECURITY

SMART series provides effective security features for access control and data encryption.

SMART series has a password verification function to provide administrator and user authentications.

SMART series can set a specific authorized PC for encoding and printing cards.

SMART series can encrypt data transmitted on USB and can support SSL (Secure Socket Layer) protocol on ethernet communications.

NETWORKING

SMART series can utilize the network printer server for encoding and printing cards.

SMART Ethernet module can not only print cards but also encode MS, contact and contactless smart card through the network.

SMART Ethernet module has OCP(Open Card Print) protocol which can encode and print cards by using commands on multiple platforms without installing the printer driver.

Available encoding the contact & contactless smart card by Ethernet.

Laminating ID CARD PRINTER

SMART-**50L**

Specifications

PRINTING

- Print Type: Dye-Sublimation
- Print Area: Edge to Edge
- Resolution: 300dpi
- Dual Sided Printing: Dual Sided Printing

CARD

- Card Feeding: Automatic
- Card Size: ISO CR80 (54mm x 86mm / 2.12" x 3.38")
- Card Thickness: 0.38mm (15mil), 1.0mm (40mil)
- Card Type: PVC, PET, Composite PVC

PRINT SPEED

- Monochrome: 5 sec./card (720 cards/hour)
- YMCKO: Max. 18 sec./card (220 cards/hour)
- YMCKOK: Max. 24 sec./card (150 cards/hour)

CAPACITY

- Input Hopper: 100 cards
- Output Hopper: 40 cards

Laminating

- Mode: Single & Dual
- Film (Clear & Holographic): 0.6mil, 1.0mil
- Speed | Simultaneous (Single Lamination): 23 sec./card (YMCK), 33 sec./card (YMCKK)
- One by One (Single Lamination): 44 sec./card (YMCK), 54 sec./card (YMCKK)

SYSTEM

- Memory: 64MB RAM
- Display: 2 Line LCD
- Control Panel: 2 LED Buttons
- Supported Platforms: Microsoft Windows 2000/ 2003/ XP/ Vista/ 7/ 8/ 10, Mac OS, Linux
- Communication: USB, Ethernet (Option)
- Power Supply: Free Voltage (AC100/ 200V, 50~60Hz)
- Power Consumption: 96
- Temperature/Humidity: 15~35℃ / 35~70%

DIMENSIONS

- Millimeter (WxLxH): 170 x 700 x 195
- Inch (WxLxH): 6.7 x 27.6 x 7.7

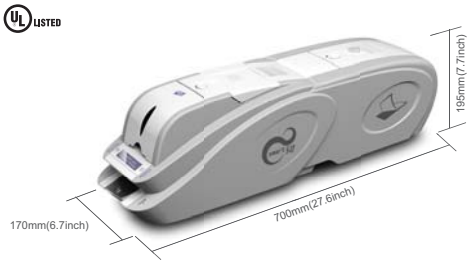
WEIGHT

- Kg/lbs: 9.2 / 20

ENCODING OPTIONS

- Magnetic: ISO7811 (Track I, II, III Read/ Write, HiCo/ LoCo), JIS II
- Contact: ISO 7816 (ID-1)
- Contactless: MIFARE, ISO 14443 (Type A/ B), ISO 15693, DESFIRE, iCLASS

CERTIFICATIONS



Consumables

COLOR RIBBONS

YMCKO	YMCKOK	YMCFKO	HYMCKO
Full Color Ribbon with Resin Black & Overlay	Full Color Ribbon with Resin Black, Overlay & Black for Back Side	Full Color Ribbon with UV Panel, Resin Black and Overlay	Half Panel Size Color Ribbon with Resin Black and Overlay
250 Cards/Roll	200 Cards/Roll	200 Cards/Roll	350 Cards/Roll

SECURITY FILMS

CPF	HPF
Clear Patch Film	Hologram Patch Film
250 Cards/Roll	250 Cards/Roll

MONO RIBBONS

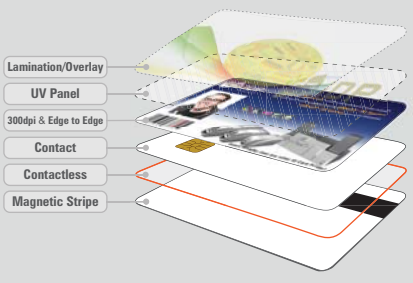
KO	K	W	B	R	MG	MS	SO
Black with Overlay	Black	White	Blue	Red	Metallic Gold	Metallic Sliver	Scratch-Off
600 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll

Specifications and availability may change without notice.

smart Series manufactured by IDP Corporation, is a highly engineered dye-sublimation ID Card printer which provides you with maximum efficiency for production of plastic cards in commercial and government applications.

SMART series is designed to support a flexible user environment, which makes it easy to choose the correct printer and save money. You can easily add a flipper or laminator, for dual sided printing or laminating, and various encoders such as magnetic stripe, contact and contactless. The enhanced FINE™ Imaging Technology of the SMART series enables you to print high quality images. The SMART series will be a perfect choice for ID, Membership, Access control, Government ID, Healthcare and Banking cards.

IDP Corporation has begun a new era in ID Card printers.
Please come and experience the flexibility and quality of the SMART series.



IDP Corp., Ltd.
- OFFICE : Room 601, 50, Digital-ro 33-gil, Guro-gu, Seoul, 08377, Korea
- TEL : +82-2-6099-3700 • FAX : +82-2-6099-3717
- E-mail : sales@idp-corp.com

IDP Americas, Inc.
- OFFICE : 200 Circuit Drive, North Kingstown, RI 02852
- TEL : +1-401-400-7111 • FAX : +1-401-667-7445
- E-mail : sales.na@idpnorthamerica.com

IDP Middle East
- OFFICE : 13F, Jafza View 18, Downtown Jebel Ali P.O.Box 17588, Dubai - U.A.E.
- TEL : +971 54 346 2270
- E-mail : manupark@idp-corp.com

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