

Laminating ID CARD PRINTER

# SMART-50L



Single or dual sided printing & Laminating

No warm up time

Excellent Convenience

FINE™ Imaging Technology

Low Cost Security with UV Printing

High Durability



## 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



- Single or Dual Sided Printing & Laminating
- Instant Direct Heating Lamination <sup>\*patent</sup>
- 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



### FEATURES



#### 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.

**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 22 sec./card (164 cards/hour)  
Max. 18 sec./card (220 cards/hour)
- YMCKOK 28 sec./card (130 cards/hour)  
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/, Mac OS, Linux
- Communication USB, Ethernet (Option)
- Power Supply Free Voltage (AC100/ 200V, 50-60Hz)
- Power Consumption 96
- Temperature/Humidity 15-35°C / 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**

	YMCKO	YMCKOK	YMCFKO	HYMCKO		CPF	HPF	
<b>COLOR RIBBONS</b>	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	<b>SECURITY FILMS</b>	Clear Patch Film	Hologram Patch Film	
	250 Cards/Roll	200 Cards/Roll	200 Cards/Roll	350 Cards/Roll		250 Cards/Roll	250 Cards/Roll	
<b>MONO RIBBONS</b>	KO Black with Overlay	K Black	W White	B Blue	R Red	MG Metallic Gold	MS Metallic Silver	SO 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

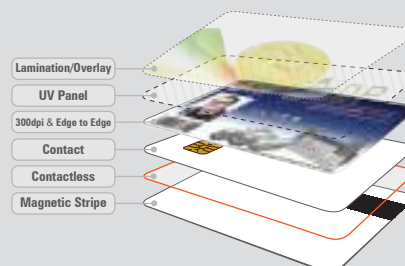
Specifications and availability may change without notice.

**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, 152-742, Korea
- TEL : +82-2-6099-3700 • FAX : +82-2-6099-3717
- E-mail : sales@idp-corp.com

**IDP Americas, Inc. (UNITED STATES & CANADA)**

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