

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



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



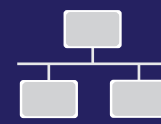
SECURITY

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.

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	
COLOR RIBBONS	Full Color Ribbon with Resin Black & Overlay 250 Cards/Roll	Full Color Ribbon with Resin Black, Overlay & Black for Back Side 200 Cards/Roll	Full Color Ribbon with UV Panel, Resin Black and Overlay 200 Cards/Roll	Half Panel Size Color Ribbon with Resin Black and Overlay 350 Cards/Roll	SECURITY FILMS	Clear Patch Film 250 Cards/Roll	Hologram Patch Film 250 Cards/Roll	
MONO RIBBONS	KO Black with Overlay 600 Cards/Roll	K Black 1200 Cards/Roll	W White 1200 Cards/Roll	B Blue 1200 Cards/Roll	R Red 1200 Cards/Roll	MG Metallic Gold 1200 Cards/Roll	MS Metallic Silver 1200 Cards/Roll	SO Scratch-Off 1200 Cards/Roll

Specifications and availability may change without notice.

Part Numbers:

- SMART-50L: 650982
- SMART-50LN (Eth): 650984
- SMART-50LM (Mag): 650983
- SMART-50LMN (Eth/Mag): 650985

- Contactless Enc. (USB): 650423
- Contactless Enc. (Eth): 651065
- Contact IC Enc.: 650421

- YMCKOK, 200/cards: 650637
- YMCKO, 250/cards: 650634
- Clear Lam., 250/cards: 659028
- Holo Lam., 250/cards: 659029

Add "K" to any printer part number for a kit (1 YMCKO Ribbon, 1 100pk Cards, & 1 Long Cleaning Card)



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