

Laminating ID CARD PRINTER

SMART-50L

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



Single or Dual Sided Laminating ID Printer

Patented 8-Second Heat Up Time

Fast, Quiet with User Friendly Operation

FINE™ Imaging Technology

Low Cost of Operation

3-Year Warranty



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

IDP's SMART-50L printer produces laminated extended-life cards for ID and access control with customizable security features and the ability to print smart cards.

Ideally suited for today's increased security on plastic cards, the SMART-50L with DLW (Direct Laminating in a Wink) technology provides a very stable and fast laminating solution. When it comes to security and durability, the SMART-50L provides premium protection for ID Cards.

- 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



FEATURES

Requires high security ID cards:

- National ID cards
- Government & Military ID cards
- High security access control ID cards
- Law enforcement & correctional facility ID cards
- Driver's Licenses
- Airport ID cards



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 for contact & contactless smart cards 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)

Consumables

	YMCKO	YMCKOK	YMCFKO	HYMCKO		CPF	HPF
	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		Clear Patch Film	Hologram Patch Film
							
COLOR RIBBONS	250 Cards/Roll		200 Cards/Roll	350 Cards/Roll	SECURITY FILMS	250 Cards/Roll	250 Cards/Roll

Holographic Designs



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

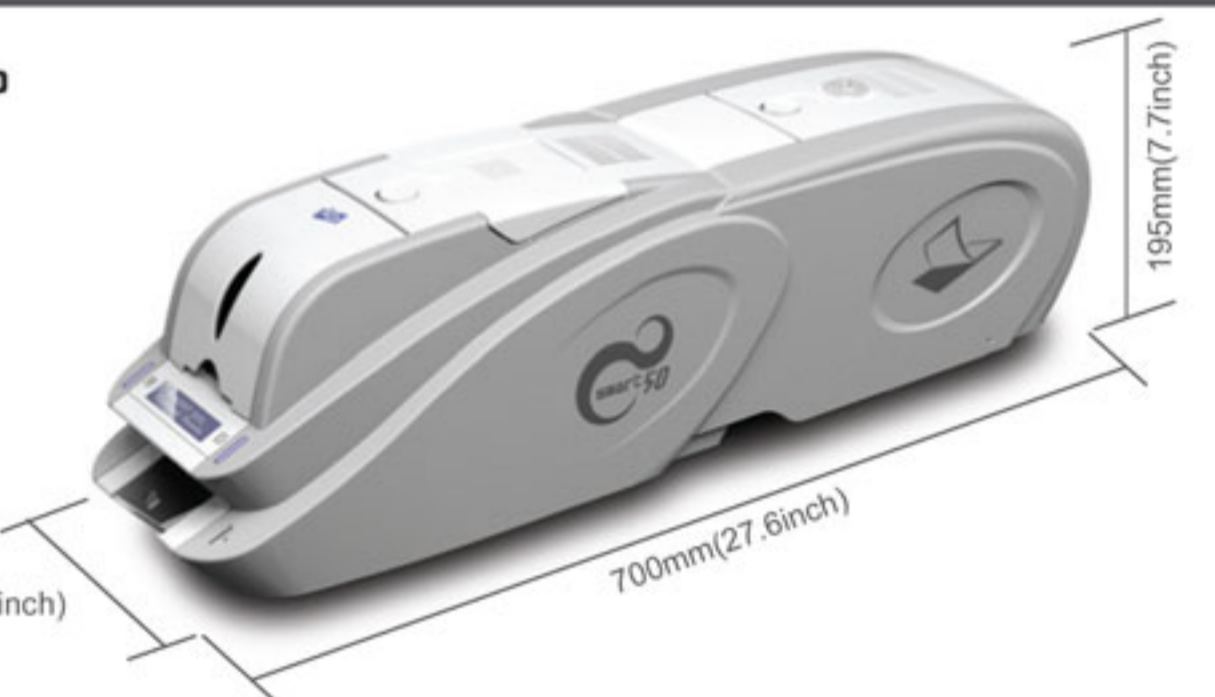
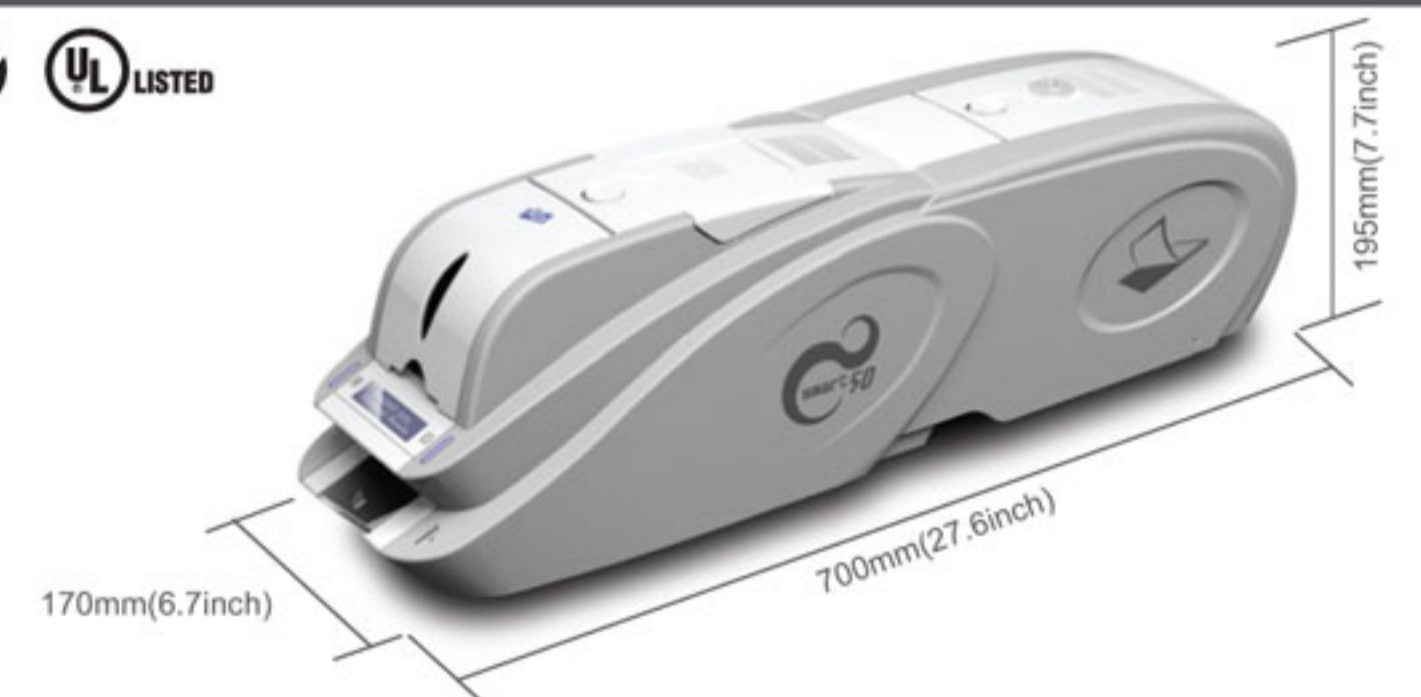
WEIGHT

- 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



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



www.alphacard.com
(877) 232-6799