



Dual sided ID CARD PRINTER

# SMART-50D



300dpi Edge-to-Edge Dual Sided Printing

Easy Card Issuing

Excellent Convenience

FINE™ Imaging Technology

Low Cost Security with UV Printing

High Durability



## High printing performances for your dual-sided ID cards

For dual-sided color printing, SMART-50D support fastest printing, high-quality graphics, in the same products field, either in color or in monochrome. It is ideal solution to print ID cards on demand or in volume.

SMART-50D offers a wide range of optional features including magnetic encoder, contact and contactless smart card encoders making it ideal for many applications in a variety of environments.

Requires dual-sided printing of ID cards:

- Employee ID card
- Student ID
- Payment card
- Health card
- Leisure resort pass card
- Identification card
- Transport pass card
- Loyalty card
- Event card



### FEATURES

- Single or Dual Sided Printing
- Print Speed: 24 sec./card (YMCKOK)
- 300dpi with Edge-to-Edge Printing
- 50S Field Upgradable to 50D
- 2 Lines LCD with 2 LED Buttons for Front Operation
- Low Cost Security with UV Printing
- Installable Encoders: MS, Contact & Contactless, SIM
- Upgradable Modules: Laminator & 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 Max, 18 sec./card (220 cards/hour)
- YMCKOK Max, 24 sec./card (150 cards/hour)

### CAPACITY

- Input Hopper 100 cards
- Output Hopper 40 cards

### 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 48
- Temperature/Humidity 15-35°C / 35-70%

### DIMENSIONS

- Millimeter (WxLxH) 170 x 510 x 195
- Inch (WxLxH) 6.7 x 20.0 x 7.7

### WEIGHT

- Kg/lbs 5,5 / 12

### 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	YMCKFO	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



### MONO RIBBONS

KO	K	W	B	R	MG	MS	SO
Black with Overlay	Black	White	Blue	Red	Metallic Gold	Metallic Silver	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

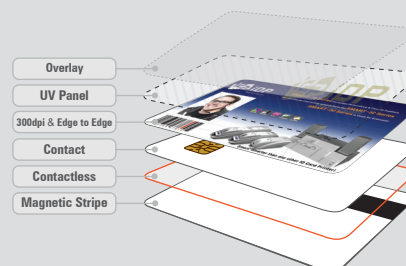
Specifications and availability may change without notice.

## 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.



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