



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: 27 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



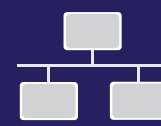
### SECURITY

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 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

### 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	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



### 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.

### Part Numbers:

SMART-50D: 650842  
 SMART-50DN (Eth): 650858  
 SMART-50DM (Mag): 650849  
 SMART-50DMN (Eth/Mag) 650865

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

YMCKOK, 200/cards 650637  
 YMCKO, 250/cards: 650634  
 Black Resin, 1200 cards: 650653

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



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