

# Dual sided ID CARD PRINTER

# SMART-50D

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



Dual Sided Mid-Range ID Card Printer

Fast, Quiet with User Friendly LCD

Flexible, upgradable & reliable

FINE™ Imaging Technology

Low Cost of Operation

3-Year Warranty



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

For dual-sided color printing, the SMART-50D is ultra-fast, produces high-quality images, and offers an easy upgrade to lamination. Supporting either color or monochrome printing, it is the ideal solution for mid-to-high volume ID card production requirements.

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

### For dual-sided printing of ID cards:

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



## 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 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

### 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
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### 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								
	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								
COLOR RIBBONS	250 Cards/Roll	200 Cards/Roll	200 Cards/Roll	350 Cards/Roll								
	KO	K	W	B	R	MG	MS	SO				
	Black with Overlay	Black	White	Blue	Red	Metallic Gold	Metallic Silver	Scratch-Off				
MONO RIBBONS	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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