



### Fast and Reliable ID Card Printer

IDP's new SMART-51 is the next generation of its mid-range ID Card Printer platform. The SMART-51 inherits the most successful and proven elements of the SMART-50 series printer to ensure the reliability. The upgraded SMART-51 will provide the most appropriate card issuance experience.

### Faster Card Issuance

SMART-51 is upgraded with 10% faster print speed compared to the former SMART-50 series ID Card Printer.

- Up to 225 cards / hour for single-sided color printing. (YMCKO, Back-side out mode)

### Reliable Card Printer

SMART-51 is equipped with the Metal Frame body for the printing engine making sure to maintain long-lasting hardware structure and stable card printing quality.

### Security

Optional physical lock can be used to secure the cards in the input hopper, ribbon and laminate film. Kensington lock slot can be equipped as an option.

### User-friendly features

- SMART-51 offers a larger card loading capacity up to 200 cards with its cover opened.
- Removable back-side stacker (\*Option) can stack up to 100 cards with faster printing speed.
- Field upgradable back-side Flipper (for dual-sided printing) and Laminator (for dual-sided printing & laminating) can be easily installed.
- SMART-51 can print on transparent cards with magnetic stripe.
- Front-side Magnetic stripe encoding is supported.
- The sleek modern appearance of the SMART-51 is a great addition to any desk.

Improvement of Print Speed

Enhanced FINE™ Imaging Technology

300, 600 & 1200dpi Printing Resolution

New Input Hopper

Removable Output Hopper

Support of Transparent Cards

Cartridge type Laminate Film Loading

Support of CR79 Cards

Top-Side Mag. Encoding

All-in-One type Lock System



**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, add various encoders such as magnetic stripe, contact or contactless, and feel confident that IDP's enhanced FINE™ Imaging Technology will produce beautifully printed high-quality cards. The SMART Series is a perfect choice for Employee IDs, Membership Cards, Access Control Badges, Secure Government Credentials, Social Services Cards, and even the instant issuance of Banking Cards.

Please come and experience the flexibility and quality of the SMART series.

## FEATURES

### • New Input Hopper

200 cards with cover open | 100 cards by default



### • Single Card Feeder (\*Option)



### • Removable - Output Hopper



- Improvement of Print speed
- 300, 600 & 1200dpi Printing Resolution
- Enhanced FINE™ Imaging Technology
- Reduced Printing Noise
- All-in-one Lock system (\*Option)
- Easy to Handle Laminate Film Cartridge

### • Back-side Stacker (up to 100 cards, \*Option)



- Top-side Mag. Encoding (\*Option)
- Support of Transparent Card
- Support CR79 Type (Factory-installed, \*Option)
- Ethernet, WiFi (\*Option)

## SPECIFICATIONS

Model		SMART-51S	SMART-51D	SMART-51L
Printing	Print Type	Dye-Sublimation		
	Resolution	300dpi (Color & Mono), 600 & 1200dpi (Mono only) / Edge to Edge		
	Dual Side Printing	Option (with Flipper)	Yes	Yes (Flipper Installed)
Card	Card Feeding	Automatic		
	Card Size & Thickness	ISO CR80 or ISO CR79 (Option-Factory installed)   0.38mm (15mil) ~ 1.0mm (40mil)		
	Card Type	PVC, PET, Composite PVC		
Print Speed	Monochrome	5 sec./card (720 cards/hour)		
	YMCKO	Front-in & Front-out	Max. 17 sec./card (212 cards/hour)	
		Front-in & Back-out	Max. 16 sec./card (225 cards/hour, Simultaneous)	
YMCKOK	-	Max. 22 sec./card (164 cards/hour)		
Laminating Speed	Simultaneous (Single Lamination)	YMCK	-	22 sec./card
		YMCKK	-	32 sec./card
	One by One (Single Lamination)	YMCK	-	43 sec./card
		YMCKK	-	53 sec./card
Capacity	Input Hopper	100 Cards / 200 Cards with cover open		
	Output Hopper	Front : 40 Cards / Back : 100 Cards (Optional Back-side Stacker)		
System	Display & Control Panel	2 Line LCD / 2 LED Buttons		
	Supported Platforms	Microsoft Windows 7/ 8/ 10, Mac OS, Linux		
	Communication	USB / Ethernet, WiFi (Option)		
	Power Supply	DC 24V		
	Power Consumption	48	48	96
	Temperature/Humidity	15~35℃ / 35~70%		
Security	Physical Lock	Input Hopper & Ribbon (Option) / Laminate Film (Option)		
	Kensington Lock	Option		
Dimensions	WxLxH (Millimeter / Inch)	165 x 390 x 210 / 6.5 x 15.4 x 8.3	165 x 498 x 210 / 6.5 x 19.6 x 8.3	165 x 675 x 210 / 6.5 x 26.6 x 8.3
	Kg/lbs	4.5 / 10	5.2 / 11.5	8.8 / 19.4
Encoding Option	Magnetic	ISO 7811 (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		

### COLOR RIBBONS

YMCKO	250 Cards/Roll	Full Color Ribbon with Resin Black & Overlay
YMCKOK	200 Cards/Roll	Full Color Ribbon with Resin Black, Overlay & Black for Back Side
YMCFKO	200 Cards/Roll	Full Color Ribbon with UV Panel, Resin Black and Overlay
YMCPKO	200 Cards/Roll	Full Color Ribbon with Pearlescent, Resin Black and Overlay
HYMCKO	350 Cards/Roll	Half Panel Size Color Ribbon with Resin Black and Overlay

### MONO RIBBONS

KO	600 Cards/Roll	Resin Black with Overlay
BO	600 Cards/Roll	Dye-sublimation Black with Overlay
K	1200 Cards/Roll	Black
W	1200 Cards/Roll	White
B	1200 Cards/Roll	Blue
R	1200 Cards/Roll	Red
MG	1200 Cards/Roll	Metallic Gold
MS	1200 Cards/Roll	Metallic Silver
SO	1200 Cards/Roll	Scratch-Off

### SECURITY FILMS

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

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