



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 a metal frame body for the printing engine making sure to maintain long-lasting hardware structure and stable card printing quality. The SMART-51's reliability is enhanced with a 2 year warranty.

SECURITY

Optional physical lock can be used to secure the cards in the input hopper, ribbon and laminate film. Optional 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 (Optional) 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.

1

IMPROVEMENT OF
PRINT SPEED

2

ENHANCED FINET[™]
IMAGING TECHNOLOGY

3

300, 600 & 1200DPI
PRINTING RESOLUTION

4

NEW INPUT HOPPER

5

REMOVABLE OUTPUT
HOPPER

6

SUPPORT OF
TRANSPARENT CARDS

7

CARTRIDGE TYPE
LAMINATE FILM
LOADING

8

SUPPORT OF CR79
CARDS

9

TOP-SIDE MAG.
ENCODING

10

ALL-IN-ONE TYPE LOCK
SYSTEM

Smart Series



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FEATURES

• New Input Hopper

200 cards with cover open | 100 cards by default



• 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%		
Optional Security Locks	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
Optional Encoding	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		
Warranty	Warranty		2 Years Warranty		

*Print Speed : May change under specific condition.

CONSUMABLES

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
HYMCKO	350 Cards/Roll	Half Panel Size Color Ribbon with Resin Black and Overlay

MONO RIBBONS

KO	600 Cards/Roll	Black with Overlay
K	1200 Cards/Roll	Black

SECURITY FILMS

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



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