WAGTAIL®
Solutions Simplified...

IDP

Feel the precise printer solution from the **Smart 51**

Endeavor for Perfection

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 – IDP's longest running ID Card Printer. Enhancements to the SMART-51 include careful selection of highly reliable parts, the application of a new state-of-the art CPU, a user friendly design similar to the SMART-70, and application specific features for unique projects. The new SMART-51 offers an upgrade path from single side printing (51S), to dual side printing (51D), and to dual side printing with lamination (51L). The SMART-51L also uses IDP's patented Direct Lamination which is the industry's first adoption of direct lamination technology to drastically reduce heat-up time, save energy, and optimize the application of laminate to the card.

Performance - Essence of Card Printer

The core spirit of a card printer is its print quality, print speed and stability. IDP's new SMART-51 card printer increases print speeds up to by 10%, enhances print quality by optimizing precise ribbon movement, and provides faster processing speed by utilizing a new powerful CPU.

Careful Consideration of User Convenience

From the initial design of the SMART-51 Series, IDP has taken careful consideration of the end-user to create an easy to use and flexible card printer. The SMART-51 offers a larger card loading capacity (up to 200 cards), a choice of output direction, new cartridge loading for lamination, support of transparent magnetic cards, optional support of CR79 card and an optional all-in-one type lock system are all features of the new SMART-51.

With a more advanced SMART-51 from IDP, card issuance will be easier and more productive than ever before.

- Improvement of Print Speed
- Enhanced FINE™ Imaging Technology
- New Input Hopper
- Removable Output Hopper
- Support of Transparent Cards
- Cartridge type Laminate Film Loading
- Support of CR79 Cards
- Front- 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 in default

  200 Cards loading

  100 Cards loading

- Improvement of Print speed
- Enhanced FINE™ Imaging Technology
- State-of-the-art CPU
- Reduced Printing Noise
- All-in-one Lock system (*Option)
- Easy to Handle Laminate Film Cartridge

- Removable - Output Hopper

- Rear-side Stacker
  (up to 100 cards, *Option)

- Front-side Mag Encoding (*Option)
- Support of Transparent Card
- Support CR79 Type (Factory-installed, *Option)

SPECIFICATIONS

Model		SMART-51S	SMART-51D	SMART-51L
Printing	Print Type	Dye-Sublimation		
	Resolution	300dpi / 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	Max. 17 sec./card (212 cards/hour)		
	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 / Rear : 100 Cards (Optional Rear-side Stacker)		
System	Display & Control Panel	2 Line LCD / 2 LED Buttons		
	Supported Platforms	Microsoft Windows 2000/ 2003/ XP/ Vista/ 7 / 8 /10, Mac OS, Linux		
	Communication	USB, Ethernet (Option)		
	Power Supply	Free Voltage (AC 100/ 220V, 50~60Hz)		
	Power Consumption	48	48	96
	Temperature/Humidity	15~35℃ / 35~70%		
Security	Physical Lock	All-in-One Lock system (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		

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
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 Sliver
SO	1200 Cards/Roll	Scratch-Off

SECURITY FILMS

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