



- 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

### Endeavor for Perfection

IDP's new SOLID-510 is the next generation of its mid-range ID Card Printer platform. The SOLID-510 inherits the most successful and proven elements of the SOLID-500 series – IDP's longest running ID Card Printer. Enhancements to the SOLID-510 include careful selection of highly reliable parts, the application of a new state-of-the-art CPU and application specific features for unique projects. The new SOLID-510 offers an upgrade path from single side printing (510S), to dual side printing (510D), and to dual side printing with lamination (510L). The SOLID-510L 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 SOLID-510 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 SOLID-510 Series, IDP has taken careful consideration of the end-user to create an easy to use and flexible card printer. The SOLID-510 offers a larger card loading capacity (up to 200 cards), a choice of output direction, new cartridge loading 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 SOLID-510.

With a more advanced SOLID-510 from IDP, card issuance will be easier and more productive than ever before.



#### EASY ISSUANCE

SOLID Applications ensure proper card issuance and data management with SOLID series printers at no extra cost.

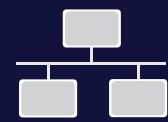
- Design and Print (Images, Photos, Texts, etc.)
- 1D & 2D Barcode printing
- Auto portrait (Auto face detection & adjustment of size & position)
- Card design templates
- Plug-in for supporting external devices
- Convenient issuance of cards and data management
- Magnetic stripe (MS), contact & contactless smart card encoding by using plug-in program



#### SECURITY

SOLID series provides effective security features for access control and data encryption.

- SOLID series has a password verification function to provide administrator and user authentications.
- SOLID series can set a specific authorized PC for encoding and printing cards.
- SOLID series can encrypt data transmitted on USB and can support SSL (Secure Socket Layer) protocol on ethernet communications.



#### NETWORKING

SOLID series can utilize the network printer server for encoding and printing cards.

- SOLID Ethernet module can not only print cards but also encode MS, contact and contactless smart card through the network.
- SOLID 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.

## FEATURES

- **New Input Hopper**

200 cards with cover open | 100 cards in default



- **Single Card Feeder (\*Option)**

- **Removable - Output Hopper**



- 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

- **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		SOLID-510S	SOLID-510D	SOLID-510L
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°C / 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		

## CONSUMABLES

### COLOR RIBBONS

Model	Capacity	Description
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
3YMCKO	400 Cards/Roll	1/3 Panel Size Color Ribbon with Resin Black and Overlay

### MONO RIBBONS

Model	Capacity	Description
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 Silver
SO	1200 Cards/Roll	Scratch-Off

### SECURITY FILMS

Model	Capacity	Description
HPF	250 Cards/Roll	Hologram Patch Film
CPF	250 Cards/Roll	Clear Patch Film

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