



- Improvement of Print Speed
- Enhanced FINE™ Imaging Technology
- New Input Hopper
- Removable Output Hopper
- Support of Transparent Cards
- Support of CR79 Cards
- Front-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.

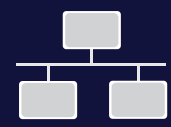
- Design and Print (Images, Photos, Texts, etc.)
- 1D & 2D Barcode printing
- Auto portrait (Auto face detection & adjustment of size & position)
- Card design templates
- Plug-in for supporting external devices
- Convenient issuance of cards and data management
- Magnetic stripe (MS), contact & contactless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

**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 or ISO CR79 (Option-Factory installed)
- Card Thickness 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)
- YMCKOK Max, 22 sec./card (164 cards/hour)

**CAPACITY**

- Input Hopper 100 cards / 200 cards with cover open
- Output Hopper Front : 40 cards / Back : 100 cards (Optional Back-side Stacker)

**SYSTEM**

- Memory 64MB RAM
- Display & Button 2 Line LCD / 2 LED Buttons
- Supported Platforms Microsoft Windows 7/ 8/ 10, Mac OS, Linux
- Communication USB, Ethernet (Option)
- Power Free Voltage (AC100/ 240V, 50~60Hz) / 48W
- Temperature/Humidity 15~35℃ / 35~70%
- Security Physical Lock & Kensington Lock (Option)

**DIMENSIONS / WEIGHT**

- Millimeter (WxLxH) 165 x 498 x 210
- Inch (WxLxH) 6,5 x 19,6 x 8,3
- Kg/lbs 5,2 / 11,5

**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**



**FEATURES**

- New Input Hopper  
200 cards with cover open | 100 cards in default



- 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)

\*Print Speed : May change under specific condition.

Specifications and availability may change without notice.

**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 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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