



- Improvement of Print Speed
- Enhanced FINE™ Imaging Technology
- 300, 600 & 1200dpi Printing Resolution
- 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.

Feel the precise printer solution from the



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.

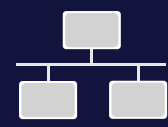
- Design and Print (Images, Photos, Texts, etc.)
- 1D & 2D Barcode printing
- Auto portrait (Auto face detection & adjustment of size & position)
- Card design templates
- Plug-in for supporting external devices
- Convenient issuance of cards and data management
- Magnetic stripe (MS), contact & contactless 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 (Color & Mono), 600 & 1200dpi (Mono only)
- 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°C / 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 |