

An Innovative ID Card Printer Technology Leader





AN INNOVATIVE ID CARD PRINTER TECHNOLOGY LEADER

IDP, one of the ID Card Printer industry, has been dedicated to make a better ID Card Printer with diverse and innovative approaches with its technology.

IDP, one of the pioneers of ID Card printing technology, has developed and manufactured ID card printers since 2005. We differentiate ourselves by providing high quality products with the latest mechanical, electronic and software technologies and by providing the best technical supports and warranties. Our card printers support not only graphic quality color printing and laminating but also all kinds of encodings such as magnetic stripe and contact and contactless smart card.

These printers are used for all kind of cards like employee badges, student IDs, payment cards, access control card, leisure membership cards and customer loyalty cards etc.

IDP aims at making plastic card printing widely available and affordable by offering simple, on-demand and customized printing solutions that bring quality to the largest scope of business users.

We wish you and us become good partners in this industry.

smart 70
Whatever you want or need!

smart 51

smart 30

WISE
Wise Choice for the Highest Quality

Laser Personalization System
CLM-S70

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, and various encoders such as magnetic stripe, contact and contactless. The enhanced FINE™ Imaging Technology of the SMART series enables you to print high quality images. The SMART Series will be 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.



TECHNOLOGY

- Clear printing by FINE™ Imaging Technology
- Instant direct heating mechanism for lamination *Patent
- Field upgradable options for dual sided printing and laminating
- Field upgradable encoders for magnetic stripe, contact and contactless smart card
- Automatic ribbon recognition and no need for sensors & motors calibration
- Eco friendly rewritable printing (SMART-30R)
- 500 cards & scratch free (SMART-70) *Patent
- High-durability: Metal frame & shaft, all bearing (SMART-51 & 70)

SOFTWARE

- SMART SDK, to develop customized applications
- SMART Utilities, to check working states and adjust configurations
- Smart ID for designing and issuing cards
- On-Line technical support

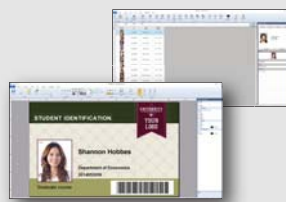
CONVENIENCE

- User friendly design for desktop environment
- LCD & LED for status display of printer
- Easy Thermal Print Head (TPH) replacement
- Front input and output hoppers (SMART-30 & 51)
- Drop-in ribbon cartridge (SMART-30 & 51)
- Full modular design (SMART-70)
- Drawer type ribbon cartridge (SMART-70)



EASY
ISSUAING

Smart ID ensures appropriate card issuance and data management with SMART series printers at no extra cost. This application allows you to design and issue a desired card conveniently. It can be easily used with simple essential functions. Also, it is designed for advanced user to use a variety of detailed functions.



- Design and print (Image, Photo and Text)
- 1D & 2D Barcode printing
- Auto portrait (Auto face detection, adjustment of size & position)
- Printing of sequential numbers
- Card design templates
- Plug-in for supporting external devices (Sign pad, Camera, Scanner)
- Convenient card issuance and data management
- Magnetic stripe (MS), contact & contactless smart card encoding by using plug-in program

Smart ID is a software which is provided with Smart ID Card Printer.

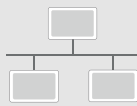


HIGH
SECURITY

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



- SMART series has a password verification function to provide administrator and user authentications.
- SMART series can set a specific authorized PC for encoding and printing cards.
- SMART series can encrypt data transmitted on USB and can support SSL (Secure Socket Layer) protocol on ethernet communications.
- SMART-70 series is equipped with physical lock and Kensington lock system on each station to increase security.



POWERFUL
NETWORKING

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



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

*App developed by OCP (Open Card Print) on Android or iOS mobile device



Beyond Expandability,

Ultimate ID Card Printer Solution

smart 70 is a high-performance large capacity ID card printer designed by the unique modular concept that can support various printer configurations to meet different user requirements.



500 cards can be continuously printed, laminated and encoded on various cards.

SMART-70 consists of 5 different modules (Input Hopper, Printer, Hybrid Flipper, Laminator, Output Hopper) that can be configured in various combinations according to different customer requirements. Required modules can be easily added to extend functions depending on your needs.

FLEXIBILITY

• Single sided Printing



• Single sided Printing & Laminating



• Dual sided Printing, Encoding



• Dual sided Printing, Encoding & Laminating



• Single sided Multi-Printing / • Dual sided Multi-Printing, Laminating & Encoding



• Stand-alone Laminating



Multi - Printer Combination



364 cards/hour

Partial Area Printing (YMCKO)



288 cards/hour

Full Area Printing (YMCKO)

Extremely High Speed Printing

Input Hopper +
PRINTER (YMC) + PRINTER (KO)



* For Single sided Partial area or Full area Color Printing

Versatile Hopper



- High Volume In/Output Hopper (500 or 300 cards Cartridge Selectable)
- Multi- Hopper
- Residual Q'ty Sensor
- Physical Lock & Kensington Lock
- Scratch Free



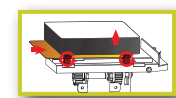
- Input Hopper

To disperse the weight of the stacked cards, the card mallet pushes cards to the weight dispersion point and the lowest card is drawn out by hook. This process prevents the stacked cards from making scratches on the lower cards' surface.



- Output Hopper

When a card is put in the output hopper, to protect the card's surface, the loaded cards are raised by the support beam which is operated by the internal CAM.



FEATURES

- Input Hopper**
 - Large Capacity
Max. 500 cards
 - Scratch Free
 - Hook for Card-In
 - Residual Q'ty Sensor
 - Near empty & empty alert notifications
 - High Durability / Indicator LED
 - Physical Lock & Kensington Lock
- Printer**
 - High Speed Printing
Max. 1,000 cards/h (Mono), Max. 225 cards/h (YMCKO)
 - Enhanced FINE™ Imaging Technology
 - Drawer type ribbon cartridge
 - Installable MS & Contactless Encoder
 - LCD & Button / Indicator LED
 - High Durability
 - Physical Lock & Kensington Lock
- Hybrid Flipper**
 - Installable Encoding modules
Contact & Contactless Smartcard Encoder
 - Image Scanning & Barcode Recognition
Dual Sided Image Scanning (600 / 300 dpi),
1D & 2D Barcode Recognition (Front / Back)
 - Card Flipper
 - High Durability, Indicator LED
 - Error Card Bin* (Max. 30 cards)
 - Physical Lock & Kensington Lock
- Laminator**
 - No warming-up time
 - Instant direct heating mechanism
 - Scratch Free
 - Drawer type film cartridge
 - LCD & Button / Indicator LED
 - High Durability
 - Physical Lock & Kensington Lock
- Output Hopper**
 - Large Capacity
Max. 500 cards
 - Scratch Free
 - Residual Q'ty Sensor
 - Full Space alert notifications
 - High Durability
 - Indicator LED
 - Physical Lock & Kensington Lock
- Stacker**
Max. 100 cards



Easily Upgradable, No need for Tools or IT technician
Just connect each station and synchronize

* If encoder or scanner options are not selected, Error card bin will be provided.

Multiple Hopper Ideal for KIOSK

max. **"3,000"**
cards loading

up to **"6"** different
type cards loading

Stand-alone Laminator

TURN ON
and
JUST LAMINATION NOW!

No Need Device Driver or PC

High Durability

Metal Frame



Metal Shaft & All Bearing

Ideal solution for printing high-quality ID cards in moments.

Single-sided SMART-51 (51S) can be transformed into a dual-sided printer (51D) or into dual-sided printer with laminator (51L) by applying Flipper module or Laminator module at the back of the printer which can be easily installable. SMART-51 Laminator is a good option for printing and laminating at the same time which enables to produce extra security long-life ID cards with customizable security patch films. With DLW (Direct Laminating in a Wink) technology, SMART-51 Laminator ensures most stable & fast laminating with premium quality protection for ID cards.

- New Input Hopper (up to 200 cards loading)
- Removable Output Hopper (*Option)
- Support of Transparent Cards
- Cartridge type Laminate Film Loading
- Support CR79 Cards
- Top-side Mag Encoding
- All-in-One type Lock System (*Option)
- Kensington Security Lock (*Option)
- Rear-side Stacker (up to 100 cards, *Option)



Single sided ID CARD PRINTER **smart-51S**



- Color & Mono Single Sided Printing
- Print Speed: Max. 17 sec./card (YMCKO)
- 300dpi with Edge-to-Edge Printing
- 2 Lines LCD with 2 LED Buttons for Front Operation
- Support of Transparent Cards
- Low Cost Security with UV Printing
- Installable Encoders: MS, Contact & Contactless
- Upgradable Modules: Flipper, Laminator & Ethernet

Dual sided ID CARD PRINTER **smart-51D**



- Single or Dual Sided Printing
- Print Speed: Max. 22 sec./card (YMCKOK)
- 300dpi with Edge-to-Edge Printing
- 51S Field Upgradable to 51D
- 2 Lines LCD with 2 LED Buttons for Front Operation
- Low Cost Security with UV Printing
- Installable Encoders: MS, Contact & Contactless
- Upgradable Modules: Laminator & Ethernet

Laminating ID CARD PRINTER **smart-51L**



- Single or Dual Sided Printing and Laminating
- Instant Direct Heating Lamination *patent
- Printing & Laminating Speed: Max. 22 sec./card (YMCK & Single Lamination)
- 300dpi with Edge-to-Edge Printing
- 51S & 51D Field Upgradable to 51L
- 2 Lines LCD with 2 LED Buttons for Front Operation
- Holographic Lamination for Visual Security & Card Durability
- Installable Encoders: MS, Contact & Contactless
- Upgradable Modules: Ethernet

• 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)



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



Simple and Easy for everyone to use

SMART-30 Series value class ID card printer for everyone which is a perfect solution for printing ID cards at a low budget. SMART-30S (single-sided), SMART-30D (dual-sided) and SMART-30R (rewritable) printer models are available.

SMART-30 Rewritable printer is an ideal solution for printing temporary information on ID cards.

Applications

- Employee ID card
- Student ID
- Payment card
- Health card
- Leisure resort pass card
- Identification card
- Transport pass card
- Loyalty card / Event card



Single sided ID CARD PRINTER **smart-30S**



- Color & Mono Single Sided Printing
- Print Speed: Max. 23 sec./card (YMCKO)
- 300dpi with Edge-to-Edge Printing
- LED Button for Front Operation
- Low Cost Security with UV Printing
- Installable Encoders: MS, Contact & Contactless
- Upgradable Modules: Flipper & Ethernet

Dual sided ID CARD PRINTER **smart-30D**



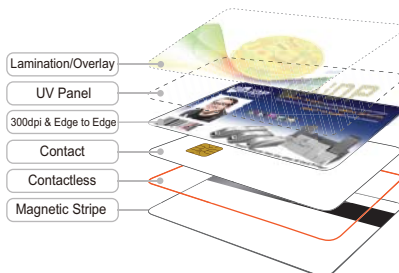
- Single or Dual Sided Printing
- Print Speed: Max. 29 sec./card (YMCKOK)
- 300dpi with Edge-to-Edge Printing
- Field Upgradable by Installation of Flipper on SMART-30S
- LED Button for Front Operation
- Low Cost Security with UV Printing
- Installable Encoders: MS, Contact & Contactless
- Upgradable Modules: Ethernet

Rewritable ID CARD PRINTER **smart-30R**



- Direct Thermal Rewritable Method
- Rewrite Speed: Max. 12 sec./card
- LED Button for Front Operation
- Installable Encoders: MS, Contact & Contactless
- Upgradable Modules: Ethernet

High-Security



Networking



Available encoding the contact & contactless smart card by Ethernet

Rewritable



Provides a cost effective solution!

Applications

- ID / Membership
- Access control / Security
- Healthcare
- Banking Card
- Transportation
- Retail
- Gift / Promotion / Loyalty

Print with Security



UV Printing



Media Cassettes



Security Erase

Reverse-transfer printing process



Consumables



Ink Ribbon & Retransfer Film

Retransfer class ID CARD PRINTER **WISE-CXD80**



FEATURES

- Color & Mono Single or Dual Sided Printing
- Print Speed : 29 sec./card (YMCK)
- Detachable and anytime-refillable hopper
- Intuitive and flexible function LCD panel
- Removable and water-washable cleaning roller
- Security locks on hopper & front door
- Kensington lock
- Inline encoding and lamination (with optional unit)
- Environmentally friendly compact design

Retransfer class ID CARD PRINTER **WISE-CL600**

The superior quality of lamination printing for high security








WISE-CL600 Laminator

WISE-CXD80 Printer

Specifications

| Model | | WISE-CXD80S (Single side) | WISE-CXD80D (Dual sides) |
|----------------|----------------------|---|-------------------------------------|
| Printing | Print Type | Dye Sublimation / Resin Thermal Retransfer | |
| | Print Area | Full Bleed (Real edge-to-edge) | |
| | Resolution | 300 dpi | |
| Card | Card Feeding | Automatic | |
| | Card Size | ISO CR80 (54mm x 86mm / 2.12"x3.38") | |
| | Card Thickness | 0.25mm(10mil) ~ 1.0mm(40mil) | |
| | Card Type | PVC, Composite PVC, PET | |
| Print Speed | YMCK | 29 sec./card (124 cards/hour) | 29 sec./card (124 cards/hour) |
| | YMCKK | - | 40 sec./card (90 cards/hour) |
| Capacity | Input & Output | 100 cards each(0.76mm) | |
| System | Supported Platform | Microsoft Windows 2000 Pro., XP, Vista, Windows Sever 2003 R2 SP2, Sever 2008 | |
| | Communication | USB2.0, Ethernet fitted as standard | |
| | Power Supply | Max. 3A (100V to 120V), Max. 1.5A (220V to 240V) | |
| | Temperature/Humidity | 15~35 °C / 35~70% | |
| Dimensions | Dimensions (WxLxH) | 343mm (13.5") x 322mm (12.7") x 335mm (13.2") | |
| | Weight (kg/lbs) | 13.0 / 28.7 (without optional unit) | 15.5 / 34.2 (without optional unit) |
| Ribbon | | YMCK (1,000 prints), YMCKK (750 prints), YMCKUV (750 prints), YMCKPO (750 prints) | |
| | | Retransfer Film (1,000 prints) | |
| Options | | Magnetic stripe Encoding (HiCo/LoCo), Contact chip Encoding (Read/Write) | |
| | | Contactless Encoding, Bend Remedy Unit, Lamination Unit (*WISE-CL600) | |
| Certifications | | CE, FCC, KC | |

COLOR RIBBONS

| |
|---|
|  YMCKO 500 Cards/Roll Full Color Ribbon with Resin Black & Overlay |
|  YMCKOK 500 Cards/Roll Full Color Ribbon with Resin Black, Overlay & Black for Back Side |
|  YMCFKO 500 Cards/Roll Full Color Ribbon with UV Panel, Resin Black and Overlay |
|  HYMCKO 1000 Cards/Roll Half Panel Size Color Ribbon with Resin Black and Overlay |
|  YMC 1000 Cards/Roll Full Color Ribbon |





MONO RIBBONS

| | | |
|----|-----------------|--------------------|
| KO | 1500 Cards/Roll | Black with Overlay |
| K | 3000 Cards/Roll | Black |
| W | 3000 Cards/Roll | White |
| B | 3000 Cards/Roll | Blue |
| R | 3000 Cards/Roll | Red |
| MG | 3000 Cards/Roll | Metallic Gold |
| MS | 3000 Cards/Roll | Metallic Silver |
| SO | 3000 Cards/Roll | Scratch-Off |

SECURITY FILMS

| | | |
|-----|----------------|---------------------|
| HPF | 500 Cards/Roll | Hologram Patch Film |
| CPF | 500 Cards/Roll | Clear Patch Film |

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 |

Cleaning Kits & White Card

| | | | |
|---|---|---|---|
|  |  |  |  |
| Long Cleaning Card | Short Cleaning Card | Cleaning Swab | Cleaning Pen |
| Automatic Cleaning | Manual Cleaning | Print Head & Roller Cleaning | Print Head Cleaning |

| |
|---|
|  |
| Primuss Card |
| PVC, CR80 |

smart-70 Printer

| | | |
|------------------|----------------------|---|
| Printing | Print Type | Direct Dye-Sublimation |
| | Print Area | Edge to Edge |
| | Resolution | 300dpi |
| Card | Card Feeding | Automatic |
| | Card Size | ISO CR80 (54mm x 86mm / 2.12" x 3.38") |
| | Card Thickness | 0.38mm (15mil), 1.2mm (47mil) |
| | Card Type | PVC, Composite PVC, PET |
| Print Speed | Monochrome | 3.6 sec./card (1,000 cards/hour) |
| | YMCKO | Max. 16 sec./card (225 cards/hour) |
| | YMCKOK | Max. 22 sec./card (164 cards/hour) |
| Capacity | Input Hopper: Card | 500 cards |
| | Output Hopper: Card | Stacker : 100 cards / *Optional Output Hopper : 500 cards |
| System | Memory | 64MB RAM |
| | Interface | 2 Line LCD / 4 Buttons / 1 LED Indicator |
| | Supported Platforms | MS Windows 7/ 8 /10, Mac OS, Linux |
| | Communication | USB, 2 USB Host, Ethernet |
| | Power Supply | Free voltage (AC 100/ 220V, 50~60Hz) |
| | Power Consumption | 24V, 2A |
| | Temperature/Humidity | 15~35°C / 35~70% |
| Encoding Options | Magnetic | ISO 7811 (Track I, II, III Read/ Write, HiCo/ LoCo), JIS II |
| | Contactless | MIFARE, ISO 14443 (Type A/ B), ISO 15693, DESFIRE, iCLASS |
| Security | Physical Lock | Ribbon |
| | S/W | PC authentication, Password authentication |
| | Station Itself | Kensington Lock |
| Dimensions | Millimeter | 240 (W) x 214 (L) x 305 (H) |
| | Inch | 9.5 (W) x 8.4 (L) x 12 (H) |
| Weight | kg/lbs | Approx. 6.3 kg/13.9 lbs |

*Print Speed : May change under specific condition.

smart-70 Laminator

| | | |
|-----------------|----------------------|--|
| Laminating | Type | Direct Heating Lamination |
| | Speed | 19 sec./card (Single-sided Laminating) |
| Laminating Film | Type | Clear, Holographic |
| | Thickness | 0.6mil, 1.0mil |
| | Capacity | 500 cards/Roll |
| System | Interface | 2 Line LCD / 4 Buttons / 1 LED Indicator |
| | Communication | USB, RS-232C |
| | Power Supply | Free Voltage (AC 100/ 220V, 50~60Hz) / 24V, 2.3A |
| | Power Consumption | 24V, 2.3A |
| | Temperature/Humidity | 15~35°C / 35~70% |
| Security | Physical Lock | Laminating Film |
| | Station Itself | Kensington Lock |
| Dimensions | Millimeter | 240 (W) x 214 (L) x 305 (H) |
| | Inch | 9.5 (W) x 8.4 (L) x 12 (H) |
| Weight | kg/lbs | Approx. 6.1 kg/13.4 lbs |

smart-70 Hybrid Flipper

| | | |
|--|----------------------|--|
| Encoding Options | Contact | ISO 7816 A/B/C Card, ISO 7816 1/2/3/4 Microprocessor Card |
| | Contactless | ISO 14443 (Type A/B), Mifare, DEFIRE, iCLASS, ISO 18092(NFC), Felica |
| Scanner Options | Image Scanner | Selectable 300 & 600 dpi Dual-sided image scanning resolution, |
| | Scanning Speed | 4.5sec/card (300 dpi), 6sec/card (600 dpi) |
| | Barcode Recognition | 1D & 2D Barcode Recognition (Front/Back) |
| System | Communication | USB |
| | Power Supply | Free Voltage (AC 100/ 220V, 50~60Hz) |
| | Power Consumption | 24V, 2A |
| | Temperature/Humidity | 15~35°C / 35~70% |
| Security | Physical Lock | Encoder or Error Card |
| | Station Itself | Kensington Lock |
| Dimensions | Millimeter | 110 (W) x 204 (L) x 305 (H) |
| | Inch | 4.3 (W) x 8.0 (L) x 12 (H) |
| Weight | kg/lbs | Approx. 2.8 kg/6.2 lbs. (Without Optional modules) |
| Error Card Bin Ejection device for faulty card is equipped inside Flipper (Max. 30 cards) | | * If encoder or scanner options are not selected, Error Card Bin will be provided. |

smart-70 Input/Output Hopper

| | | |
|------------|---------------------------|--|
| Capacity | Input / Output | 500 or 300 cards Cartridge Selectable |
| | Feeding | Automatic |
| Card | Size | ISO CR80 (54mm x 86mm / 2.12" x 3.38") |
| | Thickness | 0.38mm (15mil), 1.2mm (47mil) |
| | Type | PVC, Composite PVC, PET |
| Sensor | Residual Q'ty Sensor | Input: Near Empty & Empty / Output: Full Space |
| | Detection Sensor | Cartridge Mount Status Detectable |
| System | Communication | USB, RS-232C |
| | Power | Free Voltage (AC 100/ 220V, 50~60Hz) / 24V, 2A |
| | Temperature/Humidity | 15~35°C / 35~70% |
| Security | Physical Lock | Cartridge |
| | Station Itself | Kensington Lock |
| Dimensions | Input Hopper (W x L x H) | 170 x 204 x 548 mm / 6.7 x 8.0 x 21.6 inch |
| | Output Hopper (W x L x H) | 149 x 204 x 548 mm / 5.9 x 8.0 x 21.6 inch |
| Weight | Input Hopper (kg/lbs) | Approx. 3.7 kg/8.2 lbs |
| | Output Hopper (kg/lbs) | Approx. 3.5 kg/7.6 lbs |

smart -51 & 30 Series

| Model | | Standard Class | | | Value Class | | | |
|---------------------|----------------------------|--|------------------------------------|------------------------------------|-----------------------------------|------------------------------------|------------------------------------|---|
| | | SMART-51S | SMART-51D | SMART-51L | SMART-30S | SMART-30D | SMART-30R | |
| | | Single Sided | Dual Sided | Dual Sided & Laminator | Single Sided | Dual Sided | Rewritable | |
| Printing | Print Type | Dye-Sublimation | | | Dye-Sublimation | | Thermal Transfer | |
| | Print Area | Edge to Edge | | | | | | |
| | Resolution | 300dpi | | | | | | |
| | Dual Side Printing | Option (with Flipper) | Yes | Yes (Flipper Installed) | Option (with Flipper) | Yes | No | |
| Card | Card Feeding | Automatic | | | | | | |
| | Card Size | ISO CR80 or ISO CR79 (Option-Factory installed) | | | ISO CR80 | | | |
| | Card Thickness | 0.38mm (15mil), 1.0mm (40mil) | | | 0.38mm (15mil), 0.76mm (30mil) | | | |
| | Card Type | PVC, PET, Composite PVC | PVC, PET, Composite PVC | PVC, PET, Composite PVC | PVC, PET, Composite PVC | PVC, PET, Composite PVC | Rewritable Thermochromic Material | |
| Print Speed | Monochrome | 5 sec./card (720 cards/hour) | 5 sec./card (720 cards/hour) | 5 sec./card (720 cards/hour) | 5 sec./card (720 cards/hour) | 5 sec./card (720 cards/hour) | Max. 12 sec./card (300 cards/hour) | |
| | YMCKO | Max. 17 sec./card (212 cards/hour) | Max. 17 sec./card (212 cards/hour) | Max. 17 sec./card (212 cards/hour) | Max.23 sec./card (156 cards/hour) | Max. 23 sec./card (156 cards/hour) | - | |
| | YMCKOK | - | Max. 22 sec./card (164 cards/hour) | Max. 22 sec./card (164 cards/hour) | - | Max. 29 sec./card (124 cards/hour) | - | |
| Laminating | Mode | - | - | Single & Dual | - | - | - | |
| | Film (Clear & Holographic) | - | - | 0.6mil, 1.0mil | - | - | - | |
| | Speed | Simultaneous | - | - | 22 sec./card (YMCK) | - | - | - |
| | | (Single Lamination) | - | - | 32 sec./card (YMCKK) | - | - | - |
| | | One by One | - | - | 43 sec./card (YMCK) | - | - | - |
| (Single Lamination) | - | - | 53 sec./card (YMCKK) | - | - | - | | |
| Capacity | Input Hopper: Card | 100 Cards / 200 Cards with cover open | | | 80 | | | |
| | Output Hopper: Card | Front : 40 Cards / Rear : 100 Cards (Optional Rear-side Stacker) | | | 25 | | | |
| System | Memory | 64MB RAM | | | | | | |
| | Display | 2 Line LCD | | | - | | | |
| | Control Panel | 2 LED Buttons | | | 1 LED Button | | | |
| | Supported Platforms | Microsoft Windows 7/ 8 /10, Mac OS, Linux | | | | | | |
| | Communication | USB, Ethernet (Option) | | | | | | |
| | Power Supply | Free Voltage (AC 100/ 220V, 50~60Hz) | | | | | | |
| | Power Consumption | 48 | 48 | 96 | 48 | 48 | 48 | |
| | Temperature/Humidity | 15~35℃ / 35~70% | | | | | | |
| Dimensions | Millimeter (WxLxH) | 165 x 390 x210 | 165 x 498 x 210 | 165 x 675 x 210 | 172 x 377 x 190 | 172 x 472 x 190 | 172 x 377 x 190 | |
| | Inch (WxLxH) | 6.5 x 15.4 x 8.3 | 6.5 x 19.6 x 8.3 | 6.5 x 26.6 x 8.3 | 6.8 x 14.8 x 7.5 | 6.8 x 18.6 x 7.5 | 6.8 x 14.8 x 7.5 | |
| Weight | Kg/lbs | 4.5 / 10 | 5.2 / 11.5 | 8.8 / 19.4 | 3.4 / 7.5 | 4.2 / 9.5 | 3.4 / 7.5 | |
| Encoding Options | 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 | | | | | | |
| Certifications | Certifications | CB, CE, FCC, KC, CCC | | | CB, CE, FCC, KC, C-tick | | | |

*Print Speed : May change under specific condition.

Specifications and availability may change without notice.

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